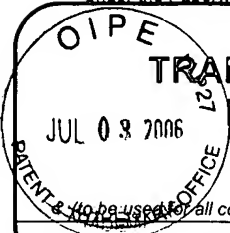


ITW

PTO/SB/21 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.



| | | |
|--|----------------------|----------------------|
| TRANSMITTAL FORM | Application Number | 10/712,611 |
| | Filing Date | November 13, 2003 |
| | First Named Inventor | Theodore Bydalke |
| | Art Unit | 3677 |
| | Examiner Name | Jeffrey Andrew Sharp |
| Total Number of Pages in This Submission | | 517 |
| Attorney Docket Number | | 11-9540-6520-0000-2 |

| ENCLOSURES (Check all that apply) | | |
|---|---|---|
| <input type="checkbox"/> Fee Transmittal Form | <input type="checkbox"/> Drawing(s) | <input type="checkbox"/> After Allowance Communication to TC |
| <input type="checkbox"/> Fee Attached | <input type="checkbox"/> Licensing-related Papers | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences |
| <input type="checkbox"/> Amendment/Reply | <input type="checkbox"/> Petition | <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) |
| <input type="checkbox"/> After Final | <input type="checkbox"/> Petition to Convert to a Provisional Application | <input type="checkbox"/> Proprietary Information |
| <input type="checkbox"/> Affidavits/declaration(s) | <input type="checkbox"/> Power of Attorney, Revocation | <input type="checkbox"/> Status Letter |
| <input type="checkbox"/> Extension of Time Request | <input type="checkbox"/> Change of Correspondence Address | <input type="checkbox"/> Other Enclosure(s) (please identify below): |
| <input type="checkbox"/> Express Abandonment Request | <input type="checkbox"/> Terminal Disclaimer | |
| <input checked="" type="checkbox"/> Information Disclosure Statement | <input type="checkbox"/> Request for Refund | |
| <input type="checkbox"/> Certified Copy of Priority Document(s) | <input type="checkbox"/> CD, Number of CD(s) _____ | |
| <input type="checkbox"/> Reply to Missing Parts/Incomplete Application | <input type="checkbox"/> Landscape Table on CD | |
| <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="text"/> Remarks | |

| SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT | | | |
|--|----------------------|----------|--------|
| Firm Name | MacLean Fogg Company | | |
| Signature | | | |
| Printed name | Dana Andrew Alden | | |
| Date | June 28, 2006 | Reg. No. | 46,475 |

| CERTIFICATE OF TRANSMISSION/MAILING | | | |
|---|-------------------|------|---------------|
| I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below: | | | |
| Signature | | | |
| Typed or printed name | Dana Andrew Alden | Date | June 28, 2006 |

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



Via Express 1st Class Mail
Our File No. 11-9540-6520-0000-2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventors : Theodore Bydalek
Serial Number : 10/712,611
Filing Date : November 13, 2003
Title : Fastener Assembly
Examiner : Jeffrey Andrew Sharp
Art Unit : 3677

TO: Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

I hereby certify that this correspondence is being deposited with United States Postal Service with sufficient postage as first class mail in an envelope addressed to:
Commissioner for Patents, P.O. Box, 1450, Alexandria, VA 22313-1450, on June 28, 2006.

Dana Andrew Alden
Registration No. 46,475

Date: 6-28-06

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

Please enter the remarks as set forth below.

REMARKS

In accordance with M.P.E.P. § 609, 37 C.F.R. §§ 1.97 and 1.98, Applicants tender herewith an information disclosure statement containing references, which may be material to patentability of the present invention.

As required, Applicants have included a copy of each foreign patent document and each non-patent publication. With respect to the requirement for a concise explanation of the relevance of information not in English, Applicants followed the following procedure. For each non-English document, Applicants first attempted to acquire a corresponding English version of the complete document. See, M.P.E.P. § 609.04(a) III. Where a corresponding English version of the complete document was unavailable, Applicants then attempted to acquire an English version of the Abstract. See, M.P.E.P. § 609.04(a) III. Where an English version of the Abstract was not available, Applicants then attempted to provide the office action or search report, wherein the reference was cited. See, M.P.E.P. § 609.04(a) III. Where neither of the foregoing were available, Applicants prepared a rough translation of the document. See, M.P.E.P. § 609.04(a) III.

Please be advised, that Applicants were unable to acquire copies of the following documents, which may be material to patentability of the present invention:

1. JP 51-124573;
2. IT 636531;
3. JP 59-54971;
4. JP 56-148116; and
5. JP 63-152822.

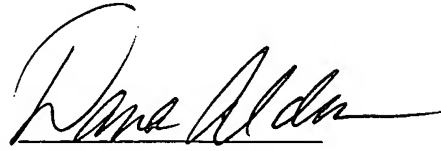
With respect to JP 56-148116 and JP 63-152822, however, Applicant encloses, immediately following this page, a translation of the office action wherein they were cited, as well as a translation of a portion of each document.

Applicant would appreciate the Examiner considering each reference on the enclosed information disclosure statements. If the Examiner has any questions,

comments, or requests in relation to the enclosed, please do not hesitate to contact Applicants' representative.

Dated: June 28, 2006

Respectfully Submitted,

A handwritten signature in black ink, appearing to read "Dana Alden", written over a horizontal line.

Dana Andrew Alden
(Reg. No. 46,475)
MacLean-Fogg Company
1000 Allanson Road
Mundelein, Illinois 60060
(847) 970-4645

Translation of the Office Action

The invention claimed in claims 1 through 9 of the present application is considered to have been easily made on the basis of the inventions described in the following publications which were circulated in Japan prior to the filing of the present application, and therefore the invention is considered unpatentable in view of the provisions of Article 29, Para 2. of the Patent Law.

REFERENCES

- (1) Japanese Utility Model Laid-open JP-U-A-56-148116 (1981)
- (2) Japanese Utility Model Laid-open JP-U-A-63-152822 (1988)
- (3) Japanese Patent Laid-open JP-A-54-147349 (1979)
- (4) Japanese Patent Laid-open JP-A-62-176828 (1987)
- (5) Japanese Patent Laid-open JP-A-61-192915 (1986)

Remarks:

◎ With respect to claims 1 to 9:

(1) References 1: See the shape of a covering body 1 in which a nut body 4 is disposed. With a bolt threaded through the nut body 4, the bolt is threadedly cut into a bore 2 of the covering body 1. This prevents the bolt from loosening.

(2) References 2: See the structure for retaining a leaf spring 13.

(3) References 3: See the structure for covering a soft packing 4 with a plastic cap 5.

(4) It is a well known matter to retain a nut and the like with a circular rib (see references 4 and 5).

(5) It is merely a matter of engineering design to provide a circular rib for retaining a washer.

Translation of the relevant portions of reference 1

(Japanese Utility Model Publication JP-U-A-56-148116 (1981))

(1) Reference 1 discloses a nut comprising a covering body 1 in which a nut body 4 is disposed. The covering body 1 is made of hard plastic material. The nut body 4 of metal is embedded in the covering body 1 at its lower end and includes internal threads 3, a pitch diameter of which is substantially the same as the inner diameter of the bore 2 of covering body 1.

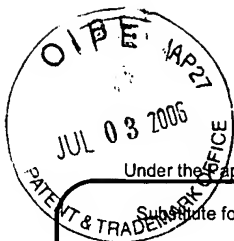
With a bolt threaded through the nut body 4, the bolt is threadedly cut into a bore 2 of the covering body 1. Thus this prevents the bolt from loosening due to the elasticity of the hard plastic material.

Translation of the relevant portions of reference 2

(Japanese Utility Model Publication JP-U-A-63-152822 (1988))

Reference 2 discloses a nut for a bolt for retaining a corrugated plate. A plastic cap 1 includes an annular groove 6 formed therein. A threaded member 3 is fixed within the cap 1 so that it can not rotate relative to the cap 1. An elastic disk-shaped abutment plate 7 is inserted in the groove 6 for rotation. A leaf spring 13 is interposed between the abutment plate 7 and the threaded member 3 and freely received in the groove 6. A through hole 14 for a bolt is centrally formed in the leaf spring 13.

A hook bolt 2 is threaded into the threaded member 3 with the upper surface of the abutment plate 7 abutting against the lower surface of the elastic plate 13.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

1

of

42

Complete if Known

| | |
|------------------------|----------------------|
| Application Number | 10/712,611 |
| Filing Date | November 13, 2003 |
| First Named Inventor | Theodore Bydalek |
| Art Unit | 3677 |
| Examiner Name | Jeffrey Andrew Sharp |
| Attorney Docket Number | 11-9540-6520-0000-2 |

U. S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|--------------------|-----------------------|--|--------------------------------|--|---|
| | | Number-Kind Code ² (if known) | | | |
| | | US- 33,487 | 10-15-1861 | L. Marsh | Pages 1-2 |
| | | US- 45,133 | 11-22-1864 | Bonwill | Pages 1-3 |
| | | US- 80,031 | 07-14-1868 | N. Thompson | Pages 1-3 |
| | | US- 142,112 | 08-26-1873 | Corning et al. | Pages 1-2 |
| | | US- 185,936 | 01-02-1877 | Landfear | Pages 1-2 |
| | | US- 197,467 | 11-27-1877 | H. A. Harvey | Pages 1-2 |
| | | US- 205,990 | 07-16-1878 | G. C. Armstrong | Pages 1-3 |
| | | US- 229,287 | 05-27-1884 | F. B. Stevens | Pages 1-3 |
| | | US- 243,493 | 06-28-1881 | J. C. Bloom | Pages 1-2 |
| | | US- 292,063 | 01-15-1884 | N. E. Shailer | Pages 1-3 |
| | | US- 324,487 | 08-18-1885 | Rice | Pages 1-3 |
| | | US- 367,196 | 07-26-1887 | B. N. Deblieux | Pages 1-2 |
| | | US- 369,362 | 09-06-1887 | D. C. Plank | Pages 1-3 |
| | | US- | | | |
| | | US- 388,000 | 08-14-1888 | J. T. Rider | Pages 1-3 |
| | | US- 429,851 | 06-10-1890 | Ericson | Pages 1-3 |
| | | US- 449,887 | 04-07-1891 | C. D. Harvey | Pages 1-3 |
| | | US- 453,563 | 06-02-1891 | Nicholson | Pages 1-2 |
| | | US- 464,301 | 12-01-1891 | H. A. Harvey | Pages 1-3 |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T ⁶ |
|--------------------|-----------------------|---|--------------------------------|--|---|----------------|
| | | Country Code ³ Number ⁴ Kind Code ⁵ (if known) | | | | |
| | | GB2201216 | 08-24-1988 | Heal | Pages 1-15 | |
| | | GB739495 | 10-26-1955 | Svenska Aktiebolaget | Pages 1-5 | |
| | | EP291412 A1 | 11-17-1988 | Gault | Pages 1-14 | ✓ |
| | | WO 9407041 | 03-31-1994 | Matthews Norma Leslie | Pages 1-24 | |
| | | DE 41 05 741 A1 | 09-03-1992 | Mercedes Benz | Pages 1-6 | ✓ |
| | | GB 2051285 | 01-14-1981 | Jones | Pages 1-4 | |

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND**

TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 2 of 42

Complete if Known

| | |
|------------------------|----------------------|
| Application Number | 10/712,611 |
| Filing Date | November 13, 2003 |
| First Named Inventor | Theodore Bydalek |
| Art Unit | 3677 |
| Examiner Name | Jeffrey Andrew Sharp |
| Attorney Docket Number | 11-9540-6520-0000-2 |

U. S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|--------------------|-----------------------|--|--------------------------------|--|---|
| | | Number-Kind Code ² (if known) | | | |
| | | US- 497,510 | 05-16-1893 | Adler | Pages 1-3 |
| | | US- 551,043 | 12-10-1895 | H. A. Otto | Pages 1-2 |
| | | US- 553,780 | 01-28-1896 | J. Dickason | Pages 1-3 |
| | | US- 586,232 | 07-13-1897 | S. W. English | Pages 1-3 |
| | | US- 594,330 | 11-23-1897 | Cox, Jr. | Pages 1-3 |
| | | US- 638,326 | 12-05-1899 | E. L. Farr | Pages 1-4 |
| | | US- 684,673 | 10-15-1901 | C. S. Clark | Pages 1-4 |
| | | US- 715,891 | 12-16-1902 | W. A. Somerby | Pages 1-3 |
| | | US- 720,580 | 02-17-1903 | E. T. Greenfield | Pages 1-3 |
| | | US- 738,217 | 09-08-1903 | H. T. Love | Pages 1-5 |
| | | US- 752,628 | 02-16-1904 | W. C. Miner | Pages 1-2 |
| | | US- 793,824 | 07-04-1905 | J. V. Culliney | Pages 1-4 |
| | | US- 794,127 | 07-04-1905 | C. E. Slayton & D. L. Zellner | Pages 1-5 |
| | | US- 827,562 | 07-31-1906 | J. N. Pollock & N. W. Deruelle | Pages 1-3 |
| | | US- 843,720 | 02-12-1907 | J. Waddell & D. W. Tower | Pages 1-3 |
| | | US- 853,005 | 04-14-1908 | C. Kesler | Pages 1-3 |
| | | US- 887,962 | 05-19-1908 | H. Reisner | Pages 1-3 |
| | | US- 889,593 | 06-02-1908 | J. C. Fleischmann | Pages 1-3 |
| | | US- 909,033 | 01-05-1909 | L. A. Smith | Pages 1-2 |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T ⁶ |
|--------------------|-----------------------|---|--------------------------------|--|---|-------------------------------------|
| | | Country Code ³ Number ⁴ Kind Code ⁵ (if known) | | | | |
| | | GB 567 862 | 03-06-1945 | Birchall | Pages 1-4 | |
| | | GB 662 298 | 12-05-1951 | Simmonds Aerocessories Lt | Pages 1-4 | |
| | | AU-B-1 785 270 | 01-27-1972 | Padget | Pages 1-16 | |
| | | GB-A-213 188 | 03-27-1924 | William Youlten | Pages 1-3 | |
| | | GB-A-7 781 | 03-28-1912 | C. J. H. MacKenzie-Kenned | Pages 1-7 | |
| | | FR 575 341 | 07-28-1924 | Gloriod | Pages 1-2 | <input checked="" type="checkbox"/> |

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet **3** of **42****Complete if Known**

| | |
|------------------------|----------------------|
| Application Number | 10/712,611 |
| Filing Date | November 13, 2003 |
| First Named Inventor | Theodore Bydalek |
| Art Unit | 3677 |
| Examiner Name | Jeffrey Andrew Sharp |
| Attorney Docket Number | 11-9540-6520-0000-2 |

U. S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|--------------------|-----------------------|--|--------------------------------|--|---|
| | | Number-Kind Code ² (if known) | | | |
| | | US- 910,712 | 01-26-1909 | M. C. McCoy | Pages 1-3 |
| | | US- 920,947 | 05-11-1909 | C. N. Gilmore | Pages 1-4 |
| | | US- 948,326 | 02-08-1910 | J. P. Hesse | Pages 1-3 |
| | | US- 949,741 | 02-15-1910 | C. D. Loehr | Pages 1-2 |
| | | US- 986,510 | 03-14-1911 | W. A. Scott | Pages 1-2 |
| | | US- 1,000,280 | 08-08-1911 | Messenger | Pages 1-3 |
| | | US- 1,011,398 | 12-12-1911 | Andregg | Pages 1-2 |
| | | US- 1,015,059 | 01-16-1912 | Morgan | Pages 1-3 |
| | | US- 1,016,897 | 02-06-1912 | C. Ryan | Pages 1-2 |
| | | US- 1,036,825 | 08-27-1912 | Garchey | Pages 1-3 |
| | | US- 1,048,590 | 12-31-1912 | Russell | Pages 1-3 |
| | | US- 1,049,590 | 01-07-1913 | P. W. Mosher | Pages 1-3 |
| | | US- 1,059,260 | 04-15-1913 | L. V. Barrett | Pages 1-3 |
| | | US- 1,064,792 | 06-17-1913 | D. Vance | Pages 1-3 |
| | | US- 1,070,247 | 08-12-1913 | F. P. Haines | Pages 1-3 |
| | | US- 1,075,310 | 10-7-1913 | M. C. Ulrich | Pages 1-3 |
| | | US- 1,088,892 | 03-03-1914 | Foreman | Pages 1-3 |
| | | US- 1,112,525 | 10-06-1914 | H. R. Darling | Pages 1-3 |
| | | US- 1,143,091 | 06-15-1915 | E. B. Stimpson | Pages 1-4 |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T ⁶ |
|--------------------|-----------------------|---|--------------------------------|--|---|-------------------------------------|
| | | Country Code ³ Number ⁴ Kind Code ⁵ (if known) | | | | |
| | | FR 633 186 | 01-23-1928 | Vallery | Pages 1-2 | <input checked="" type="checkbox"/> |
| | | FR 646 842 | 11-16-1928 | Hamel | Pages 1-3 | <input checked="" type="checkbox"/> |
| | | | | | | <input type="checkbox"/> |
| | | | | | | <input type="checkbox"/> |
| | | | | | | <input type="checkbox"/> |
| | | | | | | <input type="checkbox"/> |

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND**

TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

| | |
|------------------------|----------------------|
| Application Number | 10/712,611 |
| Filing Date | November 13, 2003 |
| First Named Inventor | Theodore Bydalek |
| Art Unit | 3677 |
| Examiner Name | Jeffrey Andrew Sharp |
| Attorney Docket Number | 11-9540-6520-0000-2 |

Sheet 4 of 42

U. S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|--------------------|-----------------------|--|--------------------------------|--|---|
| | | Number-Kind Code ² (if known) | | | |
| | | US- 1,146,078 | 07-13-1915 | J. E. Moore | Pages 1-2 |
| | | US- 1,158,454 | 11-02-1915 | J. W. De Camp | Pages 1-2 |
| | | US- 1,201,944 | 10-17-1916 | Dodds | Pages 1-3 |
| | | US- 1,210,310 | 12-26-1916 | A. E. Hickling & H. Lamb | Pages 1-2 |
| | | US- 1,229,911 | 06-12-1917 | E. I. Dodds | Pages 1-3 |
| | | US- 1,235,626 | 08-07-1917 | C. D. Woodward | Pages 1-2 |
| | | US- 1,238,636 | 08-28-1917 | C. L. Christofferson | Pages 1-4 |
| | | US- 1,250,748 | 12-18-1917 | I. C. Woodward | Pages 1-3 |
| | | US- 1,288,893 | 12-24-1918 | Holmes | Pages 1-3 |
| | | US- 1,294,268 | 02-11-1919 | Holmes | Pages 1-3 |
| | | US- 1,297,845 | 03-18-1919 | N. Hawrylasz | Pages 1-3 |
| | | US- 1,300,801 | 04-15-1919 | I. C. Woodward | Pages 1-3 |
| | | US- 1,320,259 | 10-28-1919 | F. Martens | Pages 1-2 |
| | | US- 1,362,082 | 07-05-1927 | A. G. E. Hultgreen et al. | Pages 1-3 |
| | | US- 1,363,710 | 12-28-1920 | J. Best | Pages 1-2 |
| | | US- 1,406,315 | 02-14-1922 | Whittaker | Pages 1-2 |
| | | US- 1,411,184 | 03-28-1922 | H. Rosenberg | Pages 1-4 |
| | | US- 1,451,484 | 04-10-1923 | I. C. Woodward | Pages 1-2 |
| | | US- 1,465,148 | 08-14-1923 | Heyman | Pages 1-3 |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T ⁶ |
|--------------------|-----------------------|---|--------------------------------|--|---|----------------|
| | | Country Code ³ -Number ⁴ -Kind Code ⁵ (if known) | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 5 of 42

Complete if Known

| | |
|------------------------|----------------------|
| Application Number | 10/712,611 |
| Filing Date | November 13, 2003 |
| First Named Inventor | Theodore Bydalek |
| Art Unit | 3677 |
| Examiner Name | Jeffrey Andrew Sharp |
| Attorney Docket Number | 11-9540-6520-0000-2 |

U. S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|-----------------------|--------------------------|--|--------------------------------|--|---|
| | | Number-Kind Code ² (if known) | | | |
| | | US- 1,495,687 | 05-27-1924 | D. Grosclaude | Pages 1-3 |
| | | US- 1,554,249 | 09-22-1925 | E. R. Wolf | Pages 1-4 |
| | | US- 1,556,599 | 10-13-1925 | H. H. Harbecke | Pages 1-4 |
| | | US- 1,581,559 | 04-20-1926 | D. E. Williams | Pages 1-3 |
| | | US- 1,592,627 | 07-13-1926 | C. Egleston | Pages 1-3 |
| | | US- 1,622,581 | 03-29-1927 | H. Gunkel | Pages 1-3 |
| | | US- 1,626,863 | 05-03-1927 | H. M. Nacey | Pages 1-3 |
| | | US- 1,660,455 | 02-28-1928 | R. Plumb | Pages 1-5 |
| | | US- 1,668,025 | 05-01-1928 | C. G. Olson | Pages 1-3 |
| | | US- 1,676,482 | 07-10-1928 | O. H. De Lapotterie | Pages 1-4 |
| | | US- 1,697,118 | 01-01-1929 | W. E. Hoke | Pages 1-11 |
| | | US- 1,708,793 | 04-09-1929 | Jones | Pages 1-3 |
| | | US- 1,741,279 | 12-31-1929 | W. C. Bowman | Pages 1-3 |
| | | US- 1,749,903 | 03-11-1930 | C. D. Cannon | Pages 1-3 |
| | | US- 1,759,339 | 05-20-1930 | B. T. Anderson | Pages 1-3 |
| | | US- 1,761,581 | 06-30-1930 | J. P. Northey et al. | Pages 1-3 |
| | | US- 1,798,604 | 03-31-1931 | W. E. Hoke | Pages 1-10 |
| | | US- 1,799,941 | 04-07-1931 | Wulle | Pages 1-5 |
| | | US- 1,802,668 | 04-28-1931 | F. E. Newton | Pages 1-3 |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T ⁶ |
|-----------------------|--------------------------|---|-----------------------------------|--|---|----------------|
| | | Country Code ³ Number ⁴ Kind Code ⁵ (if known) | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

| | |
|------------------------|----------------------|
| Application Number | 10/712,611 |
| Filing Date | November 13, 2003 |
| First Named Inventor | Theodore Bydalek |
| Art Unit | 3677 |
| Examiner Name | Jeffrey Andrew Sharp |
| Attorney Docket Number | 11-9540-6520-0000-2 |

Sheet 6 of 42

U. S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|--------------------|-----------------------|--|--------------------------------|--|---|
| | | Number-Kind Code ² (if known) | | | |
| | | US- 1,807,494 | 05-26-1931 | G. P. Proctor | Pages 1-3 |
| | | US- 1,821,312 | 09-01-1931 | N. R. Lillig | Pages 1-3 |
| | | US- 1,825,419 | 09-29-1931 | F. J. Plym | Pages 1-3 |
| | | US- 1,828,856 | 10-27-1931 | L. B. Bridges | Pages 1-8 |
| | | US- 1,862,486 | 06-07-1932 | Trotter | Pages 1-6 |
| | | US- 1,868,083 | 07-19-1932 | Wheelwright | Pages 1-4 |
| | | US- 1,871,819 | 08-16-1932 | Rossman | Pages 1-3 |
| | | US- 1,874,657 | 08-30-1932 | G. C. Trotter | Pages 1-4 |
| | | US- 1,887,616 | 11-15-1931 | J. Berg | Pages 1-3 |
| | | US- 1,909,477 | 05-16-1933 | Trotter | Pages 1-4 |
| | | US- 1,923,647 | 08-22-1933 | J. F. Verg | Pages 1-3 |
| | | US- 1,929,808 | 10-10-1933 | Benton Cataline | Pages 1-3 |
| | | US- 1,938,399 | 12-05-1933 | G. C. Olson | Pages 1-3 |
| | | US- 1,940,675 | 12-26-1933 | Alfred Crowther George | Pages 1-5 |
| | | US- 1,952,115 | 03-27-1934 | Borst, Jr. | Pages 1-5 |
| | | US- 1,952,305 | 03-27-1934 | W. M. Beck | Pages 1-2 |
| | | US- 1,953,305 | 04-03-1934 | J. A. MacLean | Pages 1-5 |
| | | US- 1,957,095 | 05-01-1934 | E. Z. Cole | Pages 1-5 |
| | | US- 1,963,542 | 06-19-1934 | Bergstrom | Pages 1-3 |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T ⁶ |
|--------------------|-----------------------|---|--------------------------------|--|---|----------------|
| | | Country Code ³ Number ⁴ Kind Code ⁵ (if known) | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

| | |
|------------------------|----------------------|
| Application Number | 10/712, 611 |
| Filing Date | November 13, 2003 |
| First Named Inventor | Theodore Bydalek |
| Art Unit | 3677 |
| Examiner Name | Jeffrey Andrew Sharp |
| Attorney Docket Number | 11-9540-6520-0000-2 |

Sheet 7 of 42**U. S. PATENT DOCUMENTS**

| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|-----------------------|--------------------------|--|--------------------------------|--|---|
| | | Number-Kind Code ² (if known) | | | |
| | | US- 1,969,796 | 08-14-1934 | W. E. Hoke | Pages 1-4 |
| | | US- 1,971,676 | 08-28-1934 | Borst Jr. | Pages 1-7 |
| | | US- 1,971,917 | 08-28-1934 | Newton | Pages 1-3 |
| | | US- 2,012,032 | 08-20-1935 | W. E. Zinnbauer | Pages 1-6 |
| | | US- 2,034,494 | 03-17-1936 | A. Stoll | Pages 1-4 |
| | | US- 2,037,066 | 07-10-1933 | Cook et al. | Pages 1-3 |
| | | US- 2,037,586 | 04-14-1936 | C. G. Olson | Pages 1-10 |
| | | US- 2,041,568 | 05-19-1936 | C. G. Olson | Pages 1-3 |
| | | US- 2,054,187 | 09-15-1936 | E. Almdale | Pages 1-4 |
| | | US- 2,060,593 | 11-10-1936 | Schaurte et al. | Pages 1-4 |
| | | US- 2,076,041 | 04-06-1937 | E. Payne | Pages 1-3 |
| | | US- 2,093,026 | 09-14-1937 | Bernhard | Pages 1-3 |
| | | US- 2,095,397 | 10-12-1937 | G. J. Overmyer | Pages 1-3 |
| | | US- 2,102,494 | 12-14-1937 | J. J. Connell | Pages 1-4 |
| | | US- 2,109,778 | 03-01-1938 | J. Meersteiner | Pages 1-3 |
| | | US- 2,112,494 | 03-29-1938 | C. G. Olson | Pages 1-4 |
| | | US- 2,128,757 | 08-30-1938 | C. G. Olson | Pages 1-5 |
| | | US- 2,133,555 | 10-18-1938 | Mayfield | Pages 1-2 |
| | | US- 2,135,637 | 11-08-1938 | H. F. Gade | Pages 1-4 |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T ⁶ |
|-----------------------|--------------------------|---|-----------------------------------|--|---|----------------|
| | | Country Code ³ -Number ⁴ -Kind Code ⁵ (if known) | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

| | |
|------------------------|----------------------|
| Application Number | 10/712,611 |
| Filing Date | November 13, 2003 |
| First Named Inventor | Theodore Bydalek |
| Art Unit | 3677 |
| Examiner Name | Jeffrey Andrew Sharp |
| Attorney Docket Number | 11-9540-6520-0000-2 |

Sheet 8 of 42

U. S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|--------------------|-----------------------|--|--------------------------------|--|---|
| | | Number-Kind Code ² (if known) | | | |
| | | US- 2,147,209 | 02-14-1939 | C. G. Olson | Pages 1-3 |
| | | US- 2,147,211 | 02-14-1939 | C. G. Olson | Pages 1-4 |
| | | US- 2,160,706 | 05-30-1939 | Olson | Pages 1-4 |
| | | US- 2,165,011 | 07-14-1939 | Heyman Rosenberg | Pages 1-12 |
| | | US- 2,165,149 | 07-04-1939 | Olson | Pages 1-3 |
| | | US- 2,174,578 | 10-03-1939 | H. C. Graham | Pages 1-4 |
| | | US- 2,177,003 | 10-24-1939 | W. A. Purtell | Pages 1-3 |
| | | US- 2,177,004 | 10-24-1939 | W. A. Purtell | Pages 1-5 |
| | | US- 2,177,005 | 10-24-1939 | W. A. Purtell | Pages 1-3 |
| | | US- 2,191,101 | 02-20-1940 | D. V. Stellin | Pages 1-11 |
| | | US- 2,200,227 | 05-07-1940 | Olson | Pages 1-4 |
| | | US- 2,210,455 | 08-06-1940 | R. T. Hosking | Pages 1-3 |
| | | US- 2,217,951 | 10-15-1940 | R. T. Hosking | Pages 1-4 |
| | | US- 2,223,202 | 11-26-1940 | Bergan | Pages 1-3 |
| | | US- 2,226,491 | 12-24-1940 | C. W. Gustafson | Pages 1-3 |
| | | US- 2,228,217 | 01-07-1941 | C. G. Olson | Pages 1-7 |
| | | US- 2,229,892 | 01-28-1941 | R. T. Hosking | Pages 1-3 |
| | | US- 2,232,336 | 02-18-1941 | J. Meersteiner | Pages 1-8 |
| | | US- 2,232,337 | 02-18-1941 | Frieda Meersteiner | Pages 1-8 |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T ⁶ |
|--------------------|-----------------------|---|--------------------------------|--|---|----------------|
| | | Country Code ³ Number ⁴ Kind Code ⁵ (if known) | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

| | |
|------------------------|----------------------|
| Application Number | 10/712,611 |
| Filing Date | November 13, 2003 |
| First Named Inventor | Theodore Bydalek |
| Art Unit | 3677 |
| Examiner Name | Jeffrey Andrew Sharp |
| Attorney Docket Number | 11-9540-6520-0000-2 |

Sheet 9 of 42

U. S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|--------------------|-----------------------|--|--------------------------------|--|---|
| | | Number-Kind Code ² (if known) | | | |
| | | US- 2,234,677 | 03-11-1941 | L. Larsen | Pages 1-4 |
| | | US- 2,247,981 | 07-01-1941 | C. C. Washer | Pages 1-4 |
| | | US- 2,251,201 | 07-29-1941 | W. A. Purtell | Pages 1-5 |
| | | US- 2,253,241 | 08-19-1941 | R. A. MacDonald | Pages 1-4 |
| | | US- 2,254,503 | 09-21-1941 | G. F. Thomas et al. | Pages 1-9 |
| | | US- 2,263,137 | 11-18-1941 | L. Oestereich | Pages 1-5 |
| | | US- 2,266,555 | 12-16-1942 | E. Jorcan et al. | Pages 1-3 |
| | | US- 2,266,758 | 12-23-1942 | E. T. Holtz | Pages 1-5 |
| | | US- 2,269,476 | 01-13-1942 | O. J. Poupitch | Pages 1-4 |
| | | US- 2,271,732 | 02-03-1942 | J. A. Chappius | Pages 1-6 |
| | | US- 2,278,062 | 03-31-1942 | A. De Koharovich | Pages 1-3 |
| | | US- 2,278,411 | 04-07-1942 | Braendel | Pages 1-3 |
| | | US- 2,284,659 | 06-02-1942 | R. T. Hosking | Pages 1-7 |
| | | US- 2,289,066 | 07-07-1942 | C. G. Olson | Pages 1-5 |
| | | US- 2,293,930 | 08-25-1942 | Braendel | Pages 1-5 |
| | | US- 2,297,957 | 10-06-1942 | W. M. Hanneman | Pages 1-4 |
| | | US- 2,301,181 | 11-10-1942 | E. M. Ilseman | Pages 1-4 |
| | | US- 2,302,675 | 11-24-1942 | A. J. Cherry | Pages 1-4 |
| | | US- 2,308,967 | 01-19-1934 | Kuss | Pages 1-5 |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T ⁶ |
|--------------------|-----------------------|---|--------------------------------|--|---|----------------|
| | | Country Code ³ -Number ⁴ -Kind Code ⁵ (if known) | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

| | |
|------------------------|----------------------|
| Application Number | 10/712,611 |
| Filing Date | November 13, 2003 |
| First Named Inventor | Theodore Bydalek |
| Art Unit | 3677 |
| Examiner Name | Jeffrey Andrew Sharp |
| Attorney Docket Number | 11-9540-6520-0000-2 |

Sheet 10 of 42

U. S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|-----------------------|--------------------------|--|--------------------------------|--|---|
| | | Number-Kind Code ² (if known) | | | |
| | | US- 2,314,897 | 03-30-1943 | Purinton | Pages 1-3 |
| | | US- 2,314,898 | 03-30-1943 | Purinton | Pages 1-3 |
| | | US- 2,330,869 | 10-05-1943 | Cherry | Pages 1-6 |
| | | US- 2,352,540 | 06-1944 | W. M. Hanneman | Pages 1-5 |
| | | US- 2,342,170 | 02-22-1944 | Tinnerman | Pages 1-7 |
| | | US- 2,346,835 | 04-18-1944 | E. M. Green | Pages 1-5 |
| | | US- 2,349,592 | 05-23-1944 | R. T. Hosking | Pages 1-5 |
| | | US- 2,350,756 | 06-06-1944 | G. W. Heinold | Pages 1-4 |
| | | US- 2,352,265 | 06-27-1944 | F. Kapple et al. | Pages 1-7 |
| | | US- 2,352,540 | 06-27-1944 | W. M. Hanneman | Pages 1-5 |
| | | US- 2,352,982 | 07-04-1944 | J. J. Tomalis | Pages 1-5 |
| | | US- 2,356,098 | 08-15-1944 | L. C. Steinle et al. | Pages 1-5 |
| | | US- 2,367,213 | 01-16-1945 | H. R. Harding | Pages 1-12 |
| | | US- 2,371,365 | 03-13-1945 | J. J. Tomalis et al. | Pages 1-4 |
| | | US- 2,377,405 | 06-05-1945 | M. L. Davies | Pages 1-3 |
| | | US- 2,382,019 | 08-14-1945 | E. A. Miller | Pages 1-3 |
| | | US- 2,407,160 | 09-03-1946 | Kohn | Pages 1-3 |
| | | US- 2,409,638 | 10-22-1946 | Lyon | Pages 1-4 |
| | | US- 2,414,870 | 01-28-1947 | L. E. Harding | Pages 1-5 |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T ⁶ |
|-----------------------|--------------------------|---|-----------------------------------|--|---|----------------|
| | | Country Code ³ *Number ⁴ *Kind Code ⁵ (if known) | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

| | |
|------------------------|----------------------|
| Application Number | 10/712,611 |
| Filing Date | November 13, 2003 |
| First Named Inventor | Theodore Bydalek |
| Art Unit | 3677 |
| Examiner Name | Jeffrey Andrew Sharp |
| Attorney Docket Number | 11-9540-6520-0000-2 |

Sheet 11 of 42

U. S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|-----------------------|--------------------------|--|--------------------------------|--|---|
| | | Number-Kind Code ² (if known) | | | |
| | | US- 2,428,783 | 10-14-1947 | E. J. Cole | Pages 1-4 |
| | | US- 2,437,638 | 03-09-1948 | E. R. Evans | Pages 1-10 |
| | | US- 2,444,276 | 06-29-1948 | C. A. Aldrich | Pages 1-3 |
| | | US- 2,467,548 | 04-19-1949 | Bradley | Pages 1-3 |
| | | US- 2,484,644 | 10-11-1949 | O. J. Poupitch | Pages 1-4 |
| | | US- 2,484,645 | 10-11-1949 | R. K. F. Baumle | Pages 1-3 |
| | | US- 2,486,769 | 11-01-1949 | S. H. Watson, Jr. | Pages 1-5 |
| | | US- 2,498,221 | 02-21-1950 | O. J. Poupitch | Pages 1-5 |
| | | US- 2,510,203 | 06-06-1950 | Andreasson | Pages 1-9 |
| | | US- 2,557,288 | 06-19-1951 | R. T. Hosking | Pages 1-2 |
| | | US- 2,562,516 | 07-31-1951 | Williams | Pages 1-3 |
| | | US- 2,597,835 | 05-20-1952 | Eksergian | Pages 1-6 |
| | | US- 2,619,146 | 11/25/1952 | O. J. Poupitch | Pages 1-3 |
| | | US- 2,637,361 | 05-05-1953 | C. E. Nagel | Pages 1-3 |
| | | US- 2,661,969 | 12-08-1953 | Thiry | Pages 1-4 |
| | | US- 2,672,659 | 03-23-1954 | P. D. Becker | Pages 1-3 |
| | | US- 2,675,844 | 04-20-1954 | F. K. Knohl | Pages 1-3 |
| | | US- 2,679,774 | 06-01-1954 | R. A. MacDonald | Pages 1-3 |
| | | US- 2,681,678 | 06-22-1954 | A. Hage | Pages 1-3 |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T ⁶ |
|-----------------------|--------------------------|---|-----------------------------------|--|---|----------------|
| | | Country Code ³ -Number ⁴ -Kind Code ⁵ (if known) | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

| | |
|------------------------|----------------------|
| Application Number | 10/712,611 |
| Filing Date | November 13, 2003 |
| First Named Inventor | Theodore Bydalek |
| Art Unit | 3677 |
| Examiner Name | Jeffrey Andrew Sharp |
| Attorney Docket Number | 11-9540-6520-0000-2 |

Sheet 12 of 42

U. S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|-----------------------|--------------------------|--|--------------------------------|--|---|
| | | Number-Kind Code ² (if known) | | | |
| | | US- 2,685,812 | 08-10-1954 | G. A. Dmitroff | Pages 1-4 |
| | | US- 2,735,470 | 02-21-1956 | O. J. Poupitch | Pages 1-3 |
| | | US- 2,740,650 | 04-03-1956 | Hutton | Pages 1-4 |
| | | US- 2,741,289 | 04-10-1956 | H. B. Grow | Pages 1-4 |
| | | US- 2,778,399 | 01-22-1957 | E. L. Mroz | Pages 1-3 |
| | | US- 2,779,376 | 01-29-1957 | O. J. Poupitch | Pages 1-4 |
| | | US- 2,779,379 | 01-29-1957 | F. M. Willis | Pages 1-3 |
| | | US- 2,783,810 | 03-05-1957 | R. A. Wrigley | Pages 1-3 |
| | | US- 2,788,046 | 04-09-1957 | J. Rosan | Pages 1-5 |
| | | US- 2,794,476 | 06-04-1957 | W. M. Hanneman | Pages 1-5 |
| | | US- 2,819,105 | 01-07-1958 | Behnke | Pages 1-3 |
| | | US- 2,833,326 | 05-06-1958 | F. K. Knohl | Pages 1-4 |
| | | US- 2,844,409 | 07-22-1958 | Eksergian | Pages 1-5 |
| | | US- 2,846,744 | 08-12-1993 | Dix | Pages 1-2 |
| | | US- 2,856,617 | 10-21-1958 | A. A. Widmann | Pages 1-7 |
| | | US- 2,859,074 | 11-04-1958 | Easton | Pages 1-3 |
| | | US- 2,873,641 | 02-17-1959 | E. R. Evans | Pages 1-6 |
| | | US- 2,884,038 | 04-28-1959 | Overton | Pages 1-3 |
| | | US- 2,886,088 | 05-12-1959 | L. J. Brancato | Pages 1-3 |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T ⁶ |
|-----------------------|--------------------------|---|-----------------------------------|--|---|----------------|
| | | Country Code ³ -Number ⁴ -Kind Code ⁵ (if known) | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

| | |
|------------------------|----------------------|
| Application Number | 10/712,611 |
| Filing Date | November 13, 2003 |
| First Named Inventor | Theodore Bydalek |
| Art Unit | 3677 |
| Examiner Name | Jeffrey Andrew Sharp |
| Attorney Docket Number | 11-9540-6520-0000-2 |

Sheet 13 of 42

U. S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|--------------------|-----------------------|--|--------------------------------|--|---|
| | | Number-Kind Code ² (if known) | | | |
| | | US- 2,901,019 | 08-25-1959 | H. B. Schweppe | Pages 1-5 |
| | | US- 2,913,031 | 11-17-1959 | T. L. McKay et al. | Pages 1-8 |
| | | US- 2,914,149 | 11-24-1959 | J. P. Walker | Pages 1-6 |
| | | US- 2,937,040 | 05-17-1960 | Hutton | Pages 1-3 |
| | | US- 2,937,060 | 05-17-1960 | Lachance | Pages 1-3 |
| | | US- 2,939,160 | 06-07-1960 | H. H. Mitchell | Pages 1-3 |
| | | US- 2,959,086 | 11-08-1960 | C. H. Gerlach et al. | Pages 1-5 |
| | | US- 2,959,204 | 11-08-1960 | R. M. Rigot | Pages 1-2 |
| | | US- 3,010,503 | 11-28-1960 | C. R. Beuter | Pages 1-3 |
| | | US- 3,020,570 | 02-13-1962 | R. B. Wallacle et al. | Pages 1-5 |
| | | US- 3,056,443 | 10-02-1962 | L. T. Knocke | Pages 1-5 |
| | | US- 3,076,208 | 02-05-1963 | H. Moore | Pages 1-2 |
| | | US- 3,077,218 | 02-12-1963 | E. Ziegler | Pages 1-5 |
| | | US- 3,078,899 | 02-26-1963 | J. A. MacLean III et al. | Pages 1-8 |
| | | US- 3,078,900 | 02-26-1963 | R. H. Walker | Pages 1-4 |
| | | US- 3,079,830 | 03-05-1963 | C. C. Faroni et al. | Pages 1-3 |
| | | US- 3,083,796 | 04-02-1963 | Bell, Jr. | Pages 1-3 |
| | | US- 3,102,746 | 09-03-1963 | W. C. Kerr | Pages 1-3 |
| | | US- 3,120,254 | 02-04-1964 | W. G. Waltermire et al. | Pages 1-3 |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T ⁶ |
|--------------------|-----------------------|---|--------------------------------|--|---|----------------|
| | | Country Code ³ *Number ⁴ *Kind Code ⁵ (if known) | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

| | |
|------------------------|----------------------|
| Application Number | 10/712,611 |
| Filing Date | November 13, 2003 |
| First Named Inventor | Theodore Bydalek |
| Art Unit | 3677 |
| Examiner Name | Jeffrey Andrew Sharp |
| Attorney Docket Number | 11-9540-6520-0000-2 |

Sheet 14 of 42

U. S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|-----------------------|--------------------------|--|--------------------------------|--|---|
| | | Number-Kind Code ² (if known) | | | |
| | | US- 3,122,386 | 02-25-1964 | Stanley Pearson Arthur | Pages 1-2 |
| | | US- 3,124,188 | 03-10-1964 | H. G. Muenchinger | Pages 1-5 |
| | | US- 3,124,408 | 03-10-1964 | L. Oestereich | Pages 1-8 |
| | | US- 3,127,919 | 04-07-1964 | K. A. Swanson | Pages 1-6 |
| | | US- 3,133,579 | 05-19-1964 | D. W. Grimm et al. | Pages 1-5 |
| | | US- 3,134,115 | 05-26-1964 | H. Moore et al. | Pages 1-3 |
| | | US- 3,139,786 | 07-07-1964 | Ardell | Pages 1-3 |
| | | US- 3,144,695 | 08-18-1964 | Budwig | Pages 1-5 |
| | | US- 3,158,390 | 11-24-1964 | G. V. Woodling | Pages 1-4 |
| | | US- 3,164,055 | 01-05-1965 | W. B. Duffy | Pages 1-8 |
| | | US- 3,165,136 | 01-12-1965 | B. M. Horton | Pages 1-5 |
| | | US- 3,177,755 | 04-13-1965 | S. S. Kahn | Pages 1-6 |
| | | US- 3,180,126 | 04-27-1965 | R. H. Carlson | Pages 1-6 |
| | | US- 3,180,202 | 04-27-1965 | S. S. Kahn | Pages 1-8 |
| | | US- 3,182,703 | 04-11-1965 | G. F. Smyth | Pages 1-7 |
| | | US- 3,186,464 | 06-01-1965 | R. K. F. Baumle | Pages 1-4 |
| | | US- 3,190,334 | 06-22-1956 | W. K. Wigman | Pages 1-3 |
| | | US- 3,194,292 | 07-13-1965 | F. J. Borowsky | Pages 1-2 |
| | | US- 3,196,918 | 07-27-1965 | L. F. Hampton | Pages 1-7 |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T ⁶ |
|-----------------------|--------------------------|---|-----------------------------------|--|---|----------------|
| | | Country Code ³ Number ⁴ Kind Code ⁵ (if known) | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

| | |
|------------------------|----------------------|
| Application Number | 10/712,611 |
| Filing Date | November 13, 2003 |
| First Named Inventor | Theodore Bydalek |
| Art Unit | 3677 |
| Examiner Name | Jeffrey Andrew Sharp |
| Attorney Docket Number | 11-9540-6520-0000-2 |

Sheet 15 of 42

U. S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|-----------------------|--------------------------|--|--------------------------------|--|---|
| | | Number-Kind Code ² (if known) | | | |
| | | US- 3,199,186 | 08-10-1965 | Simpson | Pages 1-8 |
| | | US- 3,200,691 | 08-17-1965 | R. Neuschotz | Pages 1-9 |
| | | US- 3,204,679 | 09-07-1965 | J. Walsh | Pages 1-3 |
| | | US- 3,208,328 | 09-28-1965 | J. L. Myers | Pages 1-3 |
| | | US- 3,213,742 | 10-26-1965 | S. S. Kahn | Pages 1-5 |
| | | US- 3,213,914 | 10-26-1965 | R. K. F. Baumle et al. | Pages 1-10 |
| | | US- 3,221,792 | 12-07-1965 | O. J. Poupitch | Pages 1-3 |
| | | US- 3,241,589 | 03-22-1966 | M. L. Enders | Pages 1-4 |
| | | US- 3,246,556 | 04-19-1966 | H. F. Phipard, Jr. | Pages 1-11 |
| | | US- | | | |
| | | US- 3,248,747 | 05-03-1966 | R. J. Scott | Pages 1-2 |
| | | US- 3,249,142 | 05-03-1966 | H. F. Phipard, Jr. | Pages 1-7 |
| | | US- 3,253,631 | 05-31-1966 | H. E. Reusser | Pages 1-4 |
| | | US- 3,253,727 | 05-31-1966 | A. W. Hart | Pages 1-3 |
| | | US- 3,263,727 | 08-02-1966 | A. B. Herpolsheimer | Pages 1-5 |
| | | US- 3,274,752 | 04-26-1966 | R. J. Greenleaf et al. | Pages 1-3 |
| | | US- 3,275,055 | 09-27-1966 | C. E. Gutshall | Pages 1-6 |
| | | US- 3,279,519 | 10-18-1966 | R. Neuschotz | Pages 1-5 |
| | | US- 3,286,579 | 11-22-1966 | L. J. Lovisek | Pages 1-3 |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T ⁶ |
|-----------------------|--------------------------|---|-----------------------------------|--|---|----------------|
| | | Country Code ³ -Number ⁴ -Kind Code ⁵ (if known) | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

| | |
|------------------------|----------------------|
| Application Number | 10/712,611 |
| Filing Date | November 13, 2003 |
| First Named Inventor | Theodore Bydalek |
| Art Unit | 3677 |
| Examiner Name | Jeffrey Andrew Sharp |
| Attorney Docket Number | 11-9540-6520-0000-2 |

Sheet 16 of 42

U. S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|--------------------|-----------------------|--|--------------------------------|--|---|
| | | Number-Kind Code ² (if known) | | | |
| | | US- 3,295,580 | 01-03-1967 | W. G. Waltermire | Pages 1-4 |
| | | US- 3,301,299 | 01-31-1967 | G. W. Stanwick | Pages 1-4 |
| | | US- 3,305,987 | 02-28-1967 | F. E. Weaver | Pages 1-9 |
| | | US- 3,306,669 | 05-29-1962 | H. E. Schultze et al. | Pages 1-6 |
| | | US- 3,322,019 | 05-30-1967 | L. J. Lovisek | Pages 1-2 |
| | | US- 3,329,190 | 07-04-1967 | C. O. Oldenkott | Pages 1-6 |
| | | US- 3,332,464 | 07-25-1967 | G. A. L. Castel | Pages 1-4 |
| | | US- 3,339,389 | 09-05-1967 | W. A. Moscow | Pages 1-4 |
| | | US- 3,342,234 | 09-19-1967 | E. R. Evans | Pages 1-7 |
| | | US- 3,343,580 | 09-26-1967 | C. P. Coldren | Pages 1-3 |
| | | US- 3,346,278 | 10-10-1967 | W. C. Yocum | Pages 1-5 |
| | | US- 3,352,344 | 11-14-1967 | J. C. Lanius Jr. | Pages 1-4 |
| | | US- 3,366,421 | 01-30-1968 | Bradley | Pages 1-3 |
| | | US- 3,370,631 | 02-27-1968 | J. J. James | Pages 1-4 |
| | | US- 3,381,733 | 05-07-1968 | G. W. Stanwick | Pages 1-4 |
| | | US- 3,384,394 | 05-21-1986 | O'Connor | Pages 1-3 |
| | | US- 3,385,340 | 05-28-1968 | E. R. Evans | Pages 1-7 |
| | | US- 3,385,341 | 05-28-1968 | C. J. Garstkiewicz | Pages 1-4 |
| | | US- 3,386,771 | 06-04-1968 | Henri Verdier | Pages 1-3 |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T ⁶ |
|--------------------|-----------------------|---|--------------------------------|--|---|----------------|
| | | Country Code ³ Number ⁴ Kind Code ⁵ (if known) | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

| | |
|------------------------|----------------------|
| Application Number | 10/712,611 |
| Filing Date | November 13, 2003 |
| First Named Inventor | Theodore Bydalek |
| Art Unit | 3677 |
| Examiner Name | Jeffrey Andrew Sharp |
| Attorney Docket Number | 11-9540-6520-0000-2 |

Sheet 17 of 42

U. S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|-----------------------|--------------------------|--|--------------------------------|--|---|
| | | Number-Kind Code ² (if known) | | | |
| | | US- 3,389,734 | 06-25-1968 | C. E. Gutshall | Pages 1-3 |
| | | US- 3,391,721 | 07-09-1968 | J. Rosan | Pages 1-5 |
| | | US- 3,398,625 | 08-27-1968 | C. H. Ansingh | Pages 1-4 |
| | | US- 3,398,775 | 08-27-1968 | Morin Louis | Pages 1-3 |
| | | US- 3,399,705 | 09-03-1968 | A. R. Breed et al. | Pages 1-6 |
| | | US- 3,417,802 | 12-24-1968 | C. O. Oldenkott | Pages 1-5 |
| | | US- 3,418,012 | 12-24-1968 | La Torre | Pages 1-7 |
| | | US- 3,426,820 | 02-11-1969 | H. F. Phipard, Jr. | Pages 1-5 |
| | | US- 3,430,673 | 03-04-1969 | G. M. Rapta | Pages 1-4 |
| | | US- 3,438,416 | 04-15-1969 | R. L. Thurston | Pages 1-3 |
| | | US- 3,451,080 | 06-24-1969 | A. H. McIntyre et al. | Pages 1-8 |
| | | US- 3,454,070 | 07-08-1969 | H. F. Phipard, Jr. | Pages 1-7 |
| | | US- 3,459,250 | 08-05-1969 | J. A. Tabor | Pages 1-17 |
| | | US- 3,472,119 | 10-14-1969 | C. B. Peterson, Jr | Pages 1-3 |
| | | US- 3,476,010 | 11-04-1969 | Markey | Pages 1-4 |
| | | US- 3,481,178 | 12-02-1969 | Wilkins | Pages 1-7 |
| | | US- 3,481,380 | 12-02-1969 | A. R. Breed | Pages 1-7 |
| | | US- 3,485,134 | 12-23-1969 | Ott | Pages 1-5 |
| | | US- 3,489,195 | 02-18-1969 | F. T. Christian et al. | Pages 1-2 |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T ⁶ |
|-----------------------|--------------------------|---|-----------------------------------|--|---|----------------|
| | | Country Code ³ -Number ⁴ -Kind Code ⁵ (if known) | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

| | |
|------------------------|----------------------|
| Application Number | 10/712,611 |
| Filing Date | November 13, 2003 |
| First Named Inventor | Theodore Bydalek |
| Art Unit | 3677 |
| Examiner Name | Jeffrey Andrew Sharp |
| Attorney Docket Number | 11-9540-6520-0000-2 |

Sheet 18 of 42

U. S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|-----------------------|--------------------------|--|--------------------------------|--|---|
| | | Number-Kind Code ² (if known) | | | |
| | | US- 3,492,906 | 02-03-1970 | Hauser | Pages 1-3 |
| | | US- 3,492,908 | 02-03-1970 | Thurston | Pages 1-3 |
| | | US- 3,500,886 | 03-17-1970 | F. Dvorak | Pages 1-4 |
| | | US- 3,504,722 | 04-07-1970 | A. R. Breed | Pages 1-6 |
| | | US- 3,517,717 | 06-30-1970 | R. W. Orlomoski | Pages 1-15 |
| | | US- 3,520,343 | 07-14-1970 | E. R. Evans | Pages 1-5 |
| | | US- 3,527,136 | 09-08-1970 | Charles A. Wilson | Pages 1-7 |
| | | US- 3,530,760 | 09-29-1970 | Robert O. Lindstand | Pages 1-4 |
| | | US- 3,530,920 | 09-29-1970 | Howard I. Podell | Pages 1-9 |
| | | US- 3,540,509 | 11-17-1970 | Charles E. Gutshall | Pages 1-4 |
| | | US- 3,543,826 | 12-01-1970 | Harcourt L. Fogaard | Pages 1-6 |
| | | US- 3,561,820 | 02-09-1971 | Chaivre | Pages 1-4 |
| | | US- 3,588,792 | 06-28-1971 | Kindell | Pages 1-3 |
| | | US- 3,595,506 | 07-27-1971 | Saunders | Pages 1-6 |
| | | US- 3,605,845 | 09-20-1971 | G. H. Junker | Pages 1-6 |
| | | US- 3,633,455 | 01-11-1972 | Eugene R. Larson | Pages 1-6 |
| | | US- 3,640,326 | 02-08-1972 | Edward L. Brown | Pages 1-4 |
| | | US- 3,643,543 | 02-22-1972 | Charles E. Gutshall | Pages 1-3 |
| | | US- 3,653,241 | 04-04-1972 | Roger W. Orlomoski | Pages 1-21 |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T ⁶ |
|-----------------------|--------------------------|---|-----------------------------------|--|---|----------------|
| | | Country Code ³ *Number ⁴ *Kind Code ⁵ (if known) | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

| | |
|------------------------|----------------------|
| Application Number | 10/712,611 |
| Filing Date | November 13, 2003 |
| First Named Inventor | Theodore Bydalek |
| Art Unit | 3677 |
| Examiner Name | Jeffrey Andrew Sharp |
| Attorney Docket Number | 11-9540-6520-0000-2 |

Sheet 19 of 42

U. S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|-----------------------|--------------------------|--|--------------------------------|--|---|
| | | Number-Kind Code ² (if known) | | | |
| | | US- 3,661,046 | 05-09-1972 | Cornelius Byron Waud | Pages 1-5 |
| | | US- 3,662,643 | 05-16-1972 | Harry Scheffer | Pages 1-6 |
| | | US- 3,687,184 | 08-29-1972 | David P. Wagner | Pages 1-5 |
| | | US- 3,704,739 | 12-05-1972 | Holton | Pages 1-5 |
| | | US- 3,721,283 | 03-20-1973 | Robert J. Evans | Pages 1-8 |
| | | US- 3,731,725 | 05-08-1973 | Alfred H. Brophy | Pages 1-7 |
| | | US- 3,734,483 | 05-22-1973 | John Adams | Pages 1-10 |
| | | US- 3,742,808 | 07-03-1973 | Trembley | Pages 1-9 |
| | | US- 3,750,525 | 08-07-1973 | Waters et al. | Pages 1-6 |
| | | US- 3,752,203 | 08-14-1973 | Hill, Jr. | Pages 1-4 |
| | | US- 3,762,455 | 10-02-1973 | Anderson, Jr. | Pages 1-5 |
| | | US- 3,782,436 | 01-01-1974 | Steiner | Pages 1-5 |
| | | US- 3,789,644 | 02-05-1974 | Orlomoski | Pages 1-9 |
| | | US- 3,794,092 | 02-26-1974 | Carson et al. | Pages 1-20 |
| | | US- 3,812,639 | 05-28-1974 | Sygnator | Pages 1-4 |
| | | US- 3,813,179 | 05-28-1974 | Priest | Pages 1-14 |
| | | US- 3,816,701 | 06-11-1974 | Stromer | Pages 1-6 |
| | | US- 3,822,902 | 07-09-1974 | Maurer et al. | Pages 1-6 |
| | | US- | | | |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T ⁶ |
|-----------------------|--------------------------|---|-----------------------------------|--|---|----------------|
| | | Country Code ³ -Number ⁴ -Kind Code ⁵ (if known) | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

| | |
|------------------------|----------------------|
| Application Number | 10/712,611 |
| Filing Date | November 13, 2003 |
| First Named Inventor | Theodore Bydalek |
| Art Unit | 3677 |
| Examiner Name | Jeffrey Andrew Sharp |
| Attorney Docket Number | 11-9540-6520-0000-2 |

| | | | |
|-------|----|----|----|
| Sheet | 20 | of | 42 |
|-------|----|----|----|

U. S. PATENT DOCUMENTS

| U. S. PATENT DOCUMENTS | | | | | |
|------------------------|-----------------------|--|--------------------------------|--|---|
| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number-Kind Code ² (if known) | | | |
| | | US- | | | |
| | | US- 3,823,526 | 07-16-1974 | Rose | Pages 1-3 |
| | | US- 3,825,051 | 07-23-1974 | Sigmund | Pages 1-6 |
| | | US- 3,828,515 | 08-13-1974 | Galgoczy et al. | Pages 1-7 |
| | | US- 3,830,271 | 08-20-1974 | Soubitez | Pages 1-5 |
| | | US- 3,850,215 | 11-26-1974 | Orlomoski | Pages 1-15 |
| | | US- 3,856,065 | 12-24-1974 | Gehring | Pages 1-4 |
| | | US- 3,867,871 | 02-25-1975 | Shore | Pages 1-5 |
| | | US- 3,875,780 | 04-08-1975 | Cochrum et al. | Pages 1-10 |
| | | US- 3,877,339 | 04-15-1975 | Muenchinger | Pages 1-6 |
| | | US- 3,877,502 | 04-15-1975 | Hunckler | Pages 1-5 |
| | | US- 3,878,759 | 04-22-1975 | Carlson | Pages 1-9 |
| | | US- 3,881,391 | 05-06-1975 | Dereszynski | Pages 1-4 |
| | | US- 3,895,663 | 07-22-1975 | Bachline et al. | Pages 1-8 |
| | | US- 3,901,066 | 08-26-1975 | Orlomoski | Pages 1-15 |
| | | US- 3,907,017 | 09-23-1975 | Stanwick | Pages 1-5 |
| | | US- 3,910,331 | 10-07-1975 | Randall | Pages 1-3 |
| | | US- 3,926,237 | 12-16-1975 | Enders | Pages 1-9 |
| | | US- 3,935,785 | 02-03-1976 | Lathom | Pages 1-8 |

FOREIGN PATENT DOCUMENTS

[illegible]

| | | | |
|-----------------------|--|--------------------|--|
| Examiner Signature | | Date Considered | |
|-----------------------|--|--------------------|--|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

| | |
|------------------------|----------------------|
| Application Number | 10/712,611 |
| Filing Date | November 13, 2003 |
| First Named Inventor | Theodore Bydalek |
| Art Unit | 3677 |
| Examiner Name | Jeffrey Andrew Sharp |
| Attorney Docket Number | 11-9540-6520-0000-2 |

Sheet 21 of 42

U. S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|-----------------------|--------------------------|--|--------------------------------|--|---|
| | | Number-Kind Code ² (if known) | | | |
| | | US- 3,942,406 | 03-09-1976 | Egner | Pages 1-9 |
| | | US- 3,967,083 | 06-29-1967 | Bould et al. | Pages 1-15 |
| | | US- 3,967,669 | 07-06-1976 | Egner | Pages 1-12 |
| | | US- 3,972,360 | 08-03-1976 | Cadwallader | Pages 1-7 |
| | | US- 3,975,992 | 08-24-1976 | Cagle | Pages 1-5 |
| | | US- 3,978,760 | 09-07-1976 | Muenchinger | Pages 1-12 |
| | | US- 3,982,575 | 09-28-1976 | Ollis, Jr. et al. | Pages 1-6 |
| | | US- 3,999,583 | 12-28-1976 | Nelson | Pages 1-4 |
| | | US- 4,034,788 | 07-12-1977 | Melone | Pages 1-7 |
| | | US- 4,040,327 | 08-09-1977 | Otaki | Pages 1-8 |
| | | US- 4,066,278 | 01-03-1978 | Takagi | Pages 1-6 |
| | | US- 4,071,067 | 01-31-1978 | Goldby | Pages 1-8 |
| | | US- 4,076,064 | 02-28-1978 | Holmes | Pages 1-5 |
| | | US- 4,094,352 | 06-13-1978 | Hlinsky | Pages 1-7 |
| | | US- 4,100,368 | 07-11-1978 | Thomsen | Pages 1-4 |
| | | US- 4,113,278 | 09-12-1978 | Rissberger | Pages 1-6 |
| | | US- 4,134,438 | 01-16-1979 | Friberg et al. | Pages 1-7 |
| | | US- 4,150,702 | 04-24-1979 | Holmes | Pages 1-7 |
| | | US- 4,171,012 | 10-16-1979 | Holmes | Pages 1-7 |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T ⁶ |
|-----------------------|--------------------------|---|-----------------------------------|--|---|----------------|
| | | Country Code ³ -Number ⁴ -Kind Code ⁵ (if known) | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

| | |
|------------------------|----------------------|
| Application Number | 10/714,611 |
| Filing Date | November 13, 2003 |
| First Named Inventor | Theodore Bydalek |
| Art Unit | 3677 |
| Examiner Name | Jeffrey Andrew Sharp |
| Attorney Docket Number | 11-9540-6520-0000-2 |

Sheet **22** of **42****U. S. PATENT DOCUMENTS**

| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|-----------------------|--------------------------|--|--------------------------------|--|---|
| | | Number-Kind Code ² (if known) | | | |
| | | US- 4,218,954 | 08-26-1980 | Morel | Pages 1-6 |
| | | US- 4,220,188 | 09-02-1980 | McMurray | Pages 1-7 |
| | | US- 4,223,711 | 09-23-1980 | Tabor | Pages 1-6 |
| | | US- 4,231,281 | 11-04-1980 | Reinwall, Jr. | Pages 1-4 |
| | | US- 4,252,168 | 02-24-1981 | Capuano | Pages 1-10 |
| | | US- 4,258,607 | 03-31-1981 | Makewam | Pages 1-4 |
| | | US- 4,260,055 | 04-07-1981 | Stencel | Pages 1-13 |
| | | US- 4,269,248 | 05-26-1981 | MacLean et al. | Pages 1-5 |
| | | US- 4,281,699 | 08-04-1981 | Grube | Pages 1-6 |
| | | US- 4,283,091 | 08-11-1981 | Capuano | Pages 1-12 |
| | | US- 4,286,642 | 09-01-1981 | Keatley | Pages 1-4 |
| | | US- 4,289,181 | 09-15-1981 | Capuano | Pages 1-8 |
| | | US- 4,293,256 | 10-06-1981 | Pamer | Pages 1-13 |
| | | US- 4,294,300 | 10-13-1981 | Bouwman | Pages 1-5 |
| | | US- 4,310,272 | 01-12-1982 | Rich et al. | Pages 1-8 |
| | | US- 4,331,414 | 05-24-1982 | Wheatley, Jr. | Pages 1-5 |
| | | US- 4,341,497 | 07-27-1982 | Downey et al. | Pages 1-4 |
| | | US- 4,350,465 | 09-21-1982 | Lovisek | Pages 1-6 |
| | | US- 4,351,626 | 09-28-1982 | Holmes | Pages 1-7 |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T ⁶ |
|-----------------------|--------------------------|---|-----------------------------------|--|---|----------------|
| | | Country Code ³ -Number ⁴ -Kind Code ⁵ (if known) | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

| | |
|------------------------|----------------------|
| Application Number | 10/712,611 |
| Filing Date | November 13, 2003 |
| First Named Inventor | Theodore Bydalek |
| Art Unit | 3677 |
| Examiner Name | Jeffrey Andrew Sharp |
| Attorney Docket Number | 11-9540-6520-0000-2 |

Sheet 23 of 42

U. S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|-----------------------|--------------------------|--|--------------------------------|--|---|
| | | Number-Kind Code ² (if known) | | | |
| | | US- 4,376,605 | 03-15-1983 | Thomsen | Pages 1-4 |
| | | US- 4,377,361 | 03-22-1983 | Friberg | Pages 1-5 |
| | | US- 4,380,414 | 04-19-1983 | Capuano | Pages 1-9 |
| | | US- 4,431,353 | 02-14-1984 | Capuano | Pages 1-16 |
| | | US- 4,478,387 | 10-23-1984 | Postema | Pages 1-4 |
| | | US- 4,488,843 | 12-18-1984 | Achille | Pages 1-6 |
| | | US- 4,490,082 | 12-25-1984 | Barth | Pages 1-4 |
| | | US- 4,490,920 | 01-01-1985 | Griset | Pages 1-13 |
| | | US- 4,498,825 | 02-12-1985 | Pamer et al. | Pages 1-7 |
| | | US- 4,516,893 | 05-14-1985 | Barth | Pages 1-8 |
| | | US- 4,518,294 | 05-21-1985 | Barth | Pages 1-4 |
| | | US- 4,534,023 | 09-24-1985 | Capuano | Pages 1-8 |
| | | US- 4,538,313 | 09-03-1985 | Friberg | Pages 1-4 |
| | | US- 4,544,312 | 10-01-1985 | Stencel | Pages 1-7 |
| | | US- 4,544,313 | 10-01-1985 | Grossberndt | Pages 1-4 |
| | | US- 4,552,379 | 11-12-1985 | Foster | Pages 1-8 |
| | | US- 4,599,172 | 07-08-1986 | Gardes | Pages 1-9 |
| | | US- 4,611,379 | 09-16-1986 | Heitzman | Pages 1-6 |
| | | US- 4,621,230 | 11-04-1986 | Crouch et al. | Pages 1-12 |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T ⁶ |
|-----------------------|--------------------------|---|-----------------------------------|--|---|----------------|
| | | Country Code ³ -Number ⁴ -Kind Code ⁵ (if known) | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet **24** of **42****Complete if Known**

| | |
|------------------------|----------------------|
| Application Number | 10/712,611 |
| Filing Date | November 13, 2003 |
| First Named Inventor | Theodore Bydalek |
| Art Unit | 3677 |
| Examiner Name | Jeffrey Andrew Sharp |
| Attorney Docket Number | 11-9540-6520-0000-2 |

U. S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|-----------------------|--------------------------|--|--------------------------------|--|---|
| | | Number-Kind Code ² (if known) | | | |
| | | US- 4,621,831 | 11/11/1986 | Takadera et al. | Pages 1-10 |
| | | US- 4,627,776 | 12-09-1986 | Pamer et al. | Pages 1-8 |
| | | US- 4,637,766 | 01-20-1987 | Milliser | Pages 1-7 |
| | | US- 4,652,194 | 03-24-1987 | Tajima et al. | Pages 1-7 |
| | | US- 4,657,459 | 04-14-1987 | Landt | Pages 1-7 |
| | | US- 4,665,803 | 05-19-1987 | Mathauser | Pages 1-6 |
| | | US- 4,673,323 | 06-16-1987 | Russo | Pages 1-5 |
| | | US- 4,674,931 | 06-23-1987 | Schwind et al. | Pages 1-8 |
| | | US- 4,697,969 | 10-06-1987 | Sparkes | Pages 1-4 |
| | | US- 4,704,058 | 11-03-1987 | Crunwell | Pages 1-8 |
| | | US- 4,708,555 | 11-24-1987 | Terry | Pages 1-8 |
| | | US- 4,712,957 | 12-15-1987 | Edwards et al. | Pages 1-4 |
| | | US- 4,717,299 | 01-05-1988 | Underwood | Pages 1-4 |
| | | US- 4,718,802 | 01-12-1988 | Rockenfeller et al. | Pages 1-6 |
| | | US- 4,730,966 | 03-15-1988 | Schiefer | Pages 1-4 |
| | | US- 4,761,860 | 08-09-1988 | Krauss | Pages 1-5 |
| | | US- 4,770,560 | 09-13-1988 | Ott | Pages 1-5 |
| | | US- 4,784,555 | 11-15-1998 | Cantrall | Pages 1-4 |
| | | US- 4793,752 | 12-27-1998 | Frieberg | Pages 1-6 |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T ⁶ |
|-----------------------|--------------------------|---|-----------------------------------|--|---|----------------|
| | | Country Code ³ Number ⁴ Kind Code ⁵ (if known) | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 25 of 42

Complete if Known

| | |
|------------------------|----------------------|
| Application Number | 10/712,611 |
| Filing Date | November 13, 2003 |
| First Named Inventor | Theodore Bydalek |
| Art Unit | 3677 |
| Examiner Name | Jeffrey Andrew Sharp |
| Attorney Docket Number | 11-9540-6520-0000-2 |

U. S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|-----------------------|--------------------------|--|--------------------------------|--|---|
| | | Number-Kind Code ² (if known) | | | |
| | | US- 4,798,507 | 01-17-1989 | Olak | Pages 1-4 |
| | | US- 4,808,050 | 02-28-1989 | Landt | Paes 1-7 |
| | | US- 4,810,106 | 03-07-1989 | Ohike | Pages 1-7 |
| | | US- 4,812,094 | 03-14-1989 | Grube | Pages 1-7 |
| | | US- 4,812,095 | 03-14-1989 | Piacenti et al. | Pages 1-10 |
| | | US- 4,867,625 | 09-19-1989 | Dixon | Pages 1-15 |
| | | US- 4,869,633 | 09-26-1989 | Hayashi | Pages 1-5 |
| | | US- 4,897,005 | 01-30-1990 | Peterson et al. | Pages 1-5 |
| | | US- 4,934,491 | 01-19-1990 | Yamoako | Pages 1-8 |
| | | US- 4,944,523 | 07-31-1990 | Hardey et a. | Pages 1-10 |
| | | US- 4,955,772 | 09-11-1990 | Reck | Pages 1-7 |
| | | US- 4,973,209 | 11-27-1990 | Essom et al. | Pages 1-7 |
| | | US- 4,978,350 | 12-18-1990 | Wagenknecht | Pages 1-6 |
| | | US- 4,999,899 | 03-19-1991 | Sawyer | Pages 1-6 |
| | | US- 5,000,638 | 3-19-1991 | Essom et al. | Pages 1-6 |
| | | US- 5,003,341 | 03-26-1991 | Ohtorii | Pages 1-25 |
| | | US- 5,011,192 | 04-30-1991 | Campo | Pages 1-7 |
| | | US- 5,026,961 | 06-25-1991 | Watanabe et al. | Pages 1-10 |
| | | US- 5,054,988 | 10-08-1991 | Shiraiwa | Pages 1-13 |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T ⁶ |
|-----------------------|--------------------------|---|-----------------------------------|--|---|----------------|
| | | Country Code ³ Number ⁴ Kind Code ⁵ (if known) | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

| | |
|------------------------|----------------------|
| Application Number | 10/712,611 |
| Filing Date | November 13, 2003 |
| First Named Inventor | Theodore Bydalek |
| Art Unit | 3677 |
| Examiner Name | Jeffrey Andrew Sharp |
| Attorney Docket Number | 11-9540-6520-0000-2 |

Sheet 26 of 42

U. S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|-----------------------|--------------------------|--|--------------------------------|--|---|
| | | Number-Kind Code ² (if known) | | | |
| | | US- 5,061,132 | 10-29-1991 | Cosenza | Pages 1-7 |
| | | US- 5,071,301 | 12-10-1991 | Engelhardt et al. | Pages 1-4 |
| | | US- 5,074,728 | 12-24-1991 | Hsu | Pages 1-3 |
| | | US- 5,080,545 | 01-14-1992 | McKinlay | Pages 1-4 |
| | | US- 5,082,409 | 01-21-1992 | Bias | Pages 1-10 |
| | | US- 5,088,869 | 02-18-1992 | Greenslade | Pages 1-4 |
| | | US- 5,090,855 | 02-25-1992 | Terry | Pages 1-18 |
| | | US- 5,094,143 | 03-10-1992 | Anderson, Jr. | Pages 1-15 |
| | | US- 5,110,245 | 05-05-1992 | Hiroyuki | Pages 1-7 |
| | | US- 5,112,176 | 05-12-1992 | McCauley | Pages 1-7 |
| | | US- 5,145,273 | 09-08-1992 | Hellon et al. | Pages 1-9 |
| | | US- 5,183,359 | 02-02-1993 | Barth | Pages 1-9 |
| | | US- 5,190,423 | 03-02-1993 | Ewing | Pages 1-8 |
| | | US- 5,193,884 | 03-16-1993 | Sheu et al. | Pages 1-12 |
| | | US- 5,203,656 | 04-20-1993 | McKinlay | Pages 1-8 |
| | | US- 5,211,551 | 05-18-1993 | Uppal et al. | Pages 1-8 |
| | | US- 5,219,255 | 06-15-1993 | Hussain | Pages 1-7 |
| | | US- 5,228,725 | 07-20-1993 | Aoyagi et al. | Pages 1-6 |
| | | US- 5,234,291 | 08-10-1993 | Swemmer | Pages 1-4 |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T ⁶ |
|-----------------------|--------------------------|---|-----------------------------------|--|---|----------------|
| | | Country Code ³ -Number ⁴ -Kind Code ⁵ (if known) | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

| | |
|------------------------|----------------------|
| Application Number | 10/712,611 |
| Filing Date | November 13, 2003 |
| First Named Inventor | Theodore Bydalek |
| Art Unit | 3677 |
| Examiner Name | Jeffrey Andrew Sharp |
| Attorney Docket Number | 11-9540-6520-0000-2 |

| | | | |
|-------|----|----|----|
| Sheet | 27 | of | 42 |
|-------|----|----|----|

U. S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|-----------------------|--------------------------|--|--------------------------------|--|---|
| | | Number-Kind Code ² (if known) | | | |
| | | US- 5,242,253 | 09-07-1993 | Fulmer | Pages 1-8 |
| | | US- 5,297,854 | 03-29-1994 | Nielson et al. | Pages 1-14 |
| | | US- 5,302,069 | 04-12-1994 | Toth et al. | Pages 1-7 |
| | | US- 5,306,091 | 04-26-1994 | Zaydel, et al. | Pages 1-7 |
| | | US- 5,320,461 | 06-14-1994 | Stanesic | Pages 1-4 |
| | | US- 5,324,148 | 06-28-1994 | Notaro | Pages 1-4 |
| | | US- 5,333,976 | 08-02-1994 | Dobbrunz | Pages 1-8 |
| | | US- 5,340,254 | 08-23-1994 | Hertel et al. | Pages 1-15 |
| | | US- 5,353,211 | 10-04-1994 | Merko | Pages 1-10 |
| | | US- 5,360,304 | 11-01-1994 | FitzGerald | Pages 1-8 |
| | | US- 5,395,195 | 03-07-1995 | Fulmer | Pages 1-9 |
| | | US- 5,407,312 | 04-18-1995 | Terrizzi | Pages 1-6 |
| | | US- 5,409,338 | 04-25-1995 | McKinlay | Pages 1-6 |
| | | US- 5,423,646 | 06-13-1995 | Gagnon | Pages 1-6 |
| | | US- 5,449,193 | 09-12-1995 | Rivard et al. | Pages 1-8 |
| | | US- 5,449,216 | 09-12-1995 | Gierman, et al. | Pages 1-15 |
| | | US- 5,452,977 | 09-26-1995 | Terrizzi | Pages 1-6 |
| | | US- 5,499,193 | 09-12-1995 | Rivard et al. | Pages 1-8 |
| | | US- 5,507,517 | 4-16-1996 | Krawczak | Pages 1-6 |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T ⁶ |
|-----------------------|--------------------------|---|-----------------------------------|--|---|----------------|
| | | Country Code ³ Number ⁴ Kind Code ⁵ (if known) | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

| | |
|------------------------|----------------------|
| Application Number | 10/712,611 |
| Filing Date | November 13, 2003 |
| First Named Inventor | Theodore Bydalek |
| Art Unit | 3677 |
| Examiner Name | Jeffrey Andrew Sharp |
| Attorney Docket Number | 11-9540-6520-0000-2 |

| | | | |
|-------|----|----|----|
| Sheet | 28 | of | 42 |
|-------|----|----|----|

U. S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|--------------------|-----------------------|--|--------------------------------|--|---|
| | | Number-Kind Code ² (if known) | | | |
| | | US- 5,533,849 | 07-09-1996 | Burdick | Pages 1-6 |
| | | US- 5,551,722 | 09-03-1996 | Schwartz et al. | Pages 1-8 |
| | | US- 5,590,992 | 01-07-1997 | Russell | Pages 1-10 |
| | | US- 5,597,279 | 01-28-1997 | Thomas | Pages 1-8 |
| | | US- 5,599,148 | 02-04-1997 | Hirose | Pages 1-6 |
| | | US- 5,622,074 | 04-22-1997 | Cushman | Pages 1-9 |
| | | US- 5,626,449 | 05-06-1997 | Mckinlay | Pages 1-11 |
| | | US- 5,623,584 | 05-27-1997 | Acevedo | Pages 1-8 |
| | | US- 5,634,377 | 06-03-1997 | Kimura et al. | Pages 1-26 |
| | | US- 5,649,587 | 07-22-1997 | Plant | Pages 1-6 |
| | | US- 5,667,347 | 09-16-1997 | Matthews | Pages 1-3 |
| | | US- 5,667,348 | 09-16-1997 | Chen et al. | Pages 1-6 |
| | | US- 5,672,037 | 09-30-1997 | Iwata | Pages 1-9 |
| | | US- 5,674,035 | 10-07-1997 | Hettick et al. | Pages 1-8 |
| | | US- 5,702,443 | 12-30-1997 | Branemark | Pages 1-6 |
| | | US- 5,702,445 | 12-30-1997 | Branemark | Pages 1-6 |
| | | US- 5,704,631 | 01-06-1998 | Sparks et al. | Pages 1-8 |
| | | US- 5,711,581 | 01-27-1998 | Plumer | Pages 1-25 |
| | | US- 5,713,707 | 02-03-1998 | Gagnon | Pages 1-6 |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T ⁶ |
|--------------------|-----------------------|---|--------------------------------|--|--|----------------|
| | | Country Code ³ *Number ⁴ *Kind Code ⁵ (if known) | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

| | |
|------------------------|----------------------|
| Application Number | 10/712,611 |
| Filing Date | November 13, 2003 |
| First Named Inventor | Theodore Bydalek |
| Art Unit | 3677 |
| Examiner Name | Jeffrey Andrew Sharp |
| Attorney Docket Number | 11-9540-6520-0000-2 |

Sheet 29 of 42

U. S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|--------------------|-----------------------|--|--------------------------------|--|---|
| | | Number-Kind Code ² (if known) | | | |
| | | US- 5,746,560 | 05-05-1998 | Barth et al. | Pages 1-7 |
| | | US- 5,752,794 | 05-19-1998 | Krawczak | Pages 1-6 |
| | | US- 5,779,411 | 07-14-1998 | Vasseur et al. | Pages 1-7 |
| | | US- 5,779,709 | 07-14-1998 | Harris, Jr. et al. | Pages 1-11 |
| | | US- 5,807,010 | 09-15-1998 | Parker et al. | Pages 1-10 |
| | | US- 5,810,532 | 09-22-1998 | Huang | Pages 1-7 |
| | | US- 5,810,670 | 09-22-1998 | Yamamuro et al. | Pages 1-9 |
| | | US- 5,820,322 | 10-13-1998 | Hermann et al. | Pages 1-9 |
| | | US- 5,842,749 | 12-01-1998 | DiMarco | Pages 1-10 |
| | | US- 5,890,859 | 04-06-1999 | Hasnik | Pages 1-6 |
| | | US- 5,893,694 | 04-13-1999 | Wilusz et al. | Pages 1-4 |
| | | US- 5,918,946 | 07-06-1999 | DiMarco | Pages 1-5 |
| | | US- 5,921,520 | 07-13-1999 | Wisniewski | Pages 1-5 |
| | | US- 5,947,688 | 09-07-1999 | Thommes | Pages 1-4 |
| | | US- 5,961,264 | 10-05-1999 | Postadan | Pages 1-8 |
| | | US- 5,967,721 | 10-19-1999 | Giachinta et al. | Pages 1-8 |
| | | US- 5,980,177 | 11-09-1999 | Schiess et al. | Pages 1-9 |
| | | US- 6,006,414 | 12-28-1999 | Corporon, et al. | Pages 1-5 |
| | | US- 6,007,079 | 12-28-1999 | Kincaid et al. | Pages 1-11 |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T ⁶ |
|--------------------|-----------------------|---|--------------------------------|--|--|----------------|
| | | Country Code ³ -Number ⁴ -Kind Code ⁵ (if known) | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND

TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

| | |
|------------------------|----------------------|
| Application Number | 10/712,611 |
| Filing Date | November 13, 2003 |
| First Named Inventor | Theodore Bydalek |
| Art Unit | 3677 |
| Examiner Name | Jeffrey Andrew Sharp |
| Attorney Docket Number | 11-9540-6520-0000-2 |

Sheet 30 of 42

U. S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|-----------------------|--------------------------|--|--------------------------------|--|---|
| | | Number-Kind Code ² (if known) | | | |
| | | US- 6,007,109 | 12-28-1999 | Schoetz | Pages 1-4 |
| | | US- 6,010,169 | 01-04-2000 | Cox et al. | Pages 1-9 |
| | | US- 6,023,833 | 02-15-2000 | Jacobsmeier | Pages 1-15 |
| | | US- 6,039,408 | 03-21-2000 | Alvarez | Pages 1-11 |
| | | US- 6,039,524 | 03-21-2000 | McKinlay | Pages 1-10 |
| | | US- 6,053,682 | 04-25-2000 | Krauter | Pages 1-8 |
| | | US- 6,062,786 | 05-16-2000 | Garver et al. | Pages 1-19 |
| | | US- 6,106,077 | 08-22-2000 | Kluge | Pages 1-5 |
| | | US- 6,106,208 | 08-22-2000 | Lin | Pages 1-9 |
| | | US- 6,135,689 | 10-24-2000 | Matsunami | Pages 1-10 |
| | | US- 6,135,691 | 10-24-2000 | Nadarajah | Pages 1-11 |
| | | US- 6,137,080 | 10-24-2000 | Borchard et al. | Pages 1-8 |
| | | US- 6,142,579 | 11-07-2000 | Thiel | Pages 1-5 |
| | | US- 6,149,363 | 11-21-2000 | March | Pages 1-23 |
| | | US- 6,152,412 | 11-28-2000 | Basickes et al. | Pages 1-14 |
| | | US- 6,155,167 | 12-05-2000 | Meyer | Pages 1-5 |
| | | US- 6,155,761 | 12-05-2000 | Donovan | Pages 1-11 |
| | | US- 6,183,180 | 02-06-2001 | Copple et al. | Pages 1-12 |
| | | US- 6,193,283 | 02-27-2001 | Pickler, Jr. et al | Pages 1-9 |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T ⁶ |
|-----------------------|--------------------------|---|-----------------------------------|--|---|----------------|
| | | Country Code ³ Number ⁴ Kind Code ⁵ (if known) | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

| | |
|------------------------|----------------------|
| Application Number | 10/712,611 |
| Filing Date | November 13, 2003 |
| First Named Inventor | Theodore Bydalek |
| Art Unit | 3677 |
| Examiner Name | Jeffrey Andrew Sharp |
| Attorney Docket Number | 11-9540-6520-0000-2 |

Sheet 31 of 42

U. S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|--------------------|-----------------------|--|--------------------------------|--|---|
| | | Number-Kind Code ² (if known) | | | |
| | | US- 6,206,606 | 03-27-2001 | Mita et al. | Pages 1-12 |
| | | US- 6,220,806 | 04-24-2001 | Chapman et al. | Pages 1-7 |
| | | US- 6,225,566 | 05-01-2001 | Dienst | Pages 1-9 |
| | | US- 6,227,782 | 05-08-2001 | Bowling et al. | Pages 1-26 |
| | | US- 6,263,562 | 07-24-2001 | Gosis et al. | Pages 1-10 |
| | | US- 6,273,658 | 08-14-2001 | Patterson et al. | Pages 1-11 |
| | | US- 6,287,064 | 09-11-2001 | Jhumra et al. | Pages 1-14 |
| | | US- 6,290,445 | 09-18-2001 | Duran et al. | Pages 1-13 |
| | | US- 6,305,890 | 10-23-2001 | Okamura | Pages 1-25 |
| | | US- 6,308,997 | 10-30-2001 | Haseley et al. | Pages 1-13 |
| | | US- 6,318,942 | 11-20-2001 | Wiecozorek | Pages 1-6 |
| | | US- 6,336,779 | 01-08-2002 | Jakob et al. | Pages 1-7 |
| | | US- 6,337,456 | 01-08-2002 | Taniguchi et al. | Pages 1-15 |
| | | US- 6,357,953 | 03-19-2002 | Ballantyne | Pages 1-7 |
| | | US- 6,402,171 | 06-11-2002 | Nickerson et al. | Pages 1-5 |
| | | US- 6,435,791 | 08-20-2002 | Bydalek | Pages 1-9 |
| | | US- 6,450,747 | 09-17-2002 | Fischer | Pages 1-9 |
| | | US- 6,499,925 | 12-31-2002 | Duran et al. | Pages 1-13 |
| | | US- 6,503,038 | 01-07-2003 | McGough | Pages 1-4 |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T ⁶ |
|--------------------|-----------------------|---|--------------------------------|--|---|----------------|
| | | Country Code ³ - Number ⁴ - Kind Code ⁵ (if known) | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

| | |
|------------------------|----------------------|
| Application Number | 10/712,611 |
| Filing Date | November 13, 2003 |
| First Named Inventor | Theodore Bydalek |
| Art Unit | 3677 |
| Examiner Name | Jeffrey Andrew Sharp |
| Attorney Docket Number | 11-9540-6520-0000-2 |

Sheet 32 of 42

U. S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|--------------------|-----------------------|--|--------------------------------|--|---|
| | | Number-Kind Code ² (if known) | | | |
| | | US- 6,511,132 | 01-28-2003 | Wright | Pages 1-14 |
| | | US- 6,517,222 | 02-11-2003 | Orlov | Pages 1-8 |
| | | US- 6,554,552 | 04-29-2003 | McKinlay | Pages 1-8 |
| | | US- 6,588,999 | 07-08-2003 | Kubler et al. | Pages 1-18 |
| | | US- 6,592,314 | 07-15-2003 | Wilson | Pages 1-6 |
| | | US- 6,655,745 | 12-02-2003 | Fohrenkamm, et al. | Pages 1-12 |
| | | US- 6,711,809 | 03-30-2004 | Fischer et al. | Pages 1-22 |
| | | US- 6,749,386 | 06-15-2004 | Harris | Pages 1-10 |
| | | US- 6,776,565 | 08-17-2004 | Chang | Pages 1-9 |
| | | US- 6,810,309 | 10-26-2004 | Sadler et al. | Pages 1-18 |
| | | US- 6,814,400 | 11-09-2004 | Henderson et al. | Pages 1-7 |
| | | US- 6,827,539 | 12-07-2004 | Somers | Pages 1-9 |
| | | US- 6,843,631 | 01-18-2005 | Winker | Pages 1-6 |
| | | US- 6,860,689 | 03-01-2005 | Attanasio | Pages 1-48 |
| | | US- 6,878,069 | 04-12-2005 | Swim, Jr. | Pages 1-15 |
| | | US- 6,896,465 | 05-24-2005 | Andersson | Pages 1-10 |
| | | US- 6,899,503 | 05-31-2005 | Anderson et al. | Pages 1-7 |
| | | US- 6,916,144 | 07-12-2005 | Lees | Pages 1-8 |
| | | US- H1,258 | 12-07-1993 | Hindle, Jr. | Pages 1-6 |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T ⁶ |
|--------------------|-----------------------|---|--------------------------------|--|--|----------------|
| | | Country Code ³ *Number ⁴ *Kind Code ⁵ (if known) | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

| | |
|------------------------|----------------------|
| Application Number | 10/712,611 |
| Filing Date | November 13, 2003 |
| First Named Inventor | Theodore Bydalek |
| Art Unit | 3677 |
| Examiner Name | Jeffrey Andrew Sharp |
| Attorney Docket Number | 11-9540-6520-0000-2 |

Sheet 33 of 42

U. S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|--------------------|-----------------------|--|--------------------------------|--|---|
| | | Number-Kind Code ² (if known) | | | |
| | | US- RE24,572 | 06-28-1859 | M. H. Nicolas & L. J. Champagne | Pages 1-2 |
| | | US- RE24,678 | 07-05-1859 | L. B. Tyng. | Pages 1-3 |
| | | US- RE33,827 | 12-03-1861 | T. D. Davis | Pages 1-2 |
| | | US- RE22,926 | 10-07-1947 | Tinnerman | Pages 1-3 |
| | | US- 2002/0039522 A1 | 04-04-2002 | Hartman et al. | Pages 1-15 |
| | | US- 2002/0098033 A1 | 07-25-2002 | Cardoso | Pages 1-5 |
| | | US- 2003/0005786 A1 | 01-09-2003 | Stuart | Pages 1-14 |
| | | US- 2003/0040795 | 02-27-2003 | Elson et al. | Pages 1-33 |
| | | US- 2003/0108403 | 06-12-2003 | Scoyoc | Pages 1-8 |
| | | US- 2003/0194294 | 10-16-2003 | Wilson | Pages 1-6 |
| | | US- 2004/0167001 | 08-26-2004 | Hagihara et al. | Pages 1-7 |
| | | US- 2004/0174015 | 09-09-2004 | Deremiah | Pages 1-9 |
| | | US- 2005/0008457 | 01-13-2005 | Winker | Pages 1-7 |
| | | US- 2005/0095085 | 05-05-2005 | Winker | Pages 1-6 |
| | | US- 4,460,300 | 07-17-1984 | Bettini et al. | Pages 1-4 |
| | | US- 3,960,047 | 06-01-1976 | Liffick | Pages 1-4 |
| | | US- 2,432,531 | 12-16-1947 | G. A. Lyon | Pages 1-4 |
| | | US- 4,382,635 | 05-10-1983 | Brown et al. | Pages 1-4 |
| | | US- 613,776 | 11-08-1898 | P. D. Plain | Pages 1-3 |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T ⁶ |
|--------------------|-----------------------|---|--------------------------------|--|---|-------------------------------------|
| | | Country Code ³ Number ⁴ Kind Code ⁵ (if known) | | | | |
| | | EP 0930 175 A | 07-21-1999 | Peugeot | Pages 1-6 | <input checked="" type="checkbox"/> |
| | | GB 26739 | 12-08-2004 | Dale Marshall | Pages 1-3 | <input type="checkbox"/> |
| | | GB 830 722 | 03-16-1960 | Morse | Pages 1-7 | <input type="checkbox"/> |
| | | GB 507 104 | 07-06-1939 | Allam | Pages 1-4 | <input type="checkbox"/> |
| | | GB 618,388 | 04-13-1949 | Watson | Pages 1-5 | <input type="checkbox"/> |
| | | GB 2 167 516 | 05-19-1986 | Key Manufacturing Inc. | Pages 1-6 | <input type="checkbox"/> |

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND

TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

| | |
|------------------------|----------------------|
| Application Number | 10/712,611 |
| Filing Date | November 13, 2003 |
| First Named Inventor | Theodore Bydalek |
| Art Unit | 3677 |
| Examiner Name | Jeffrey Andrew Sharp |
| Attorney Docket Number | 11-9540-6520-0000-2 |

| | | | |
|-------|----|----|----|
| Sheet | 34 | of | 42 |
|-------|----|----|----|

U. S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|--------------------|-----------------------|--|--------------------------------|--|---|
| | | Number-Kind Code ² (if known) | | | |
| | | US- 712,905 | 11-04-1902 | J. W. Cannon | Pages 1-3 |
| | | US- 1,040,215 | 10-01-1912 | L. D. Kriner | Pages 1-3 |
| | | US- 1,081,631 | 12-16-1913 | C. M. Siever | Pages 1-3 |
| | | US- 1,140,974 | 05-25-1915 | J. R. Formby | Pages 1-2 |
| | | US- 1,150,362 | 08-17-1915 | C. S. Hascall | Pages 1-4 |
| | | US- 1,543,282 | 06-23-1925 | E. B. De Loe | Pages 1-3 |
| | | US- 1,611,408 | 12-21-1926 | H. A. Bowers | Pages 1-3 |
| | | US- 3,208,493 | 09-28-1965 | H. D. Holmes | Pages 1-6 |
| | | US- 3,307,893 | 03-07-1967 | E. H. Williams | Pages 1-4 |
| | | US- 3,851,690 | 12-03-1974 | Wing et al. | Pages 1-8 |
| | | US- 3,942,570 | 03-09-1976 | Bochman, Jr. et al. | Pages 1-10 |
| | | US- 4,210,372 | 07-01-1980 | McGee et al. | Pages 1-7 |
| | | US- 2,333,388 | 11-02-1943 | O. J. Poupitch | Pages 1-6 |
| | | US- 3,399,589 | 09-03-1968 | A. R. Breed | Pages 1-7 |
| | | US- 3,800,396 | 04-02-1974 | Puchner | Pages 1-4 |
| | | US- 4,482,278 | 11-13-1984 | Dorn | Pages 1-3 |
| | | US- 3,389,735 | 06-25-1968 | J. Katz | Pages 1-3 |
| | | US- 4,976,576 | 12-11-1990 | Mahaney, Jr. et al. | Pages 1-13 |
| | | US- 5,141,374 | 08-25-1992 | Olofsson | Pages 1-7 |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T ⁶ |
|--------------------|-----------------------|---|--------------------------------|--|--|----------------|
| | | Country Code ³ *Number ⁴ *Kind Code ⁵ (if known) | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND

TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

| | |
|------------------------|----------------------|
| Application Number | 10/712,611 |
| Filing Date | November 13, 2003 |
| First Named Inventor | Theodore Bydalek |
| Art Unit | 3677 |
| Examiner Name | Jeffrey Andrew Sharp |
| Attorney Docket Number | 11-9540-6520-0000-2 |

Sheet 35 of 42

U. S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|-----------------------|--------------------------|--|--------------------------------|--|---|
| | | Number-Kind Code ² (if known) | | | |
| | | US- 4,824,305 | 04-25-1989 | McCauley | Pages 1-6 |
| | | US- 4,887,950 | 12-19-1989 | Sakayori et al. | Pages 1-17 |
| | | US- 4,900,206 | 02-13-1990 | Kazino et al. | Pages 1-6 |
| | | US- 4,275,285 | 06-23-1981 | Jadach | Pages 1-7 |
| | | US- 4,420,848 | 12-20-1983 | Becker | Pages 1-7 |
| | | US- 4,669,937 | 06-02-1987 | Feldman | Pages 1-4 |
| | | US- 4,744,119 | 05-17-1988 | Omori | Pages 1-4 |
| | | US- 4,764,070 | 08-16-1988 | Baltzell | Pages 1-4 |
| | | US- 4,813,835 | 03-21-1989 | Toth | Pages 1-6 |
| | | US- 2,954,304 | 09-27-1960 | K. K. K. Kroyer | Pages 1-6 |
| | | US- 3,138,407 | 06-23-1964 | J. J. Duggan | Pages 1-5 |
| | | US- 3,649,079 | 03-14-1972 | English | Pages 1-5 |
| | | US- 3,960,047 | 06-01-1976 | Liffick | Pages 1-4 |
| | | US- 4,201,110 | 05-06-1980 | Hanai et al. | Pages 1-4 |
| | | US- 4,457,560 | 07-03-1984 | Rowe et al. | Pages 1-8 |
| | | US- 4,842,339 | 06-27-1989 | Roulinson | Pages 1-9 |
| | | US- 5,163,739 | 11-17-1992 | Stanlake | Pages 1-7 |
| | | US- 1,727,590 | 09-10-1929 | T. Ferry | Pages 1-3 |
| | | US- 4,460,300 | 07-17-1984 | Bettini et al. | Pages 1-4 |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T ⁶ |
|-----------------------|--------------------------|---|-----------------------------------|--|---|----------------|
| | | Country Code ³ Number ⁴ Kind Code ⁵ (if known) | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

| | |
|------------------------|----------------------|
| Application Number | 10/712,611 |
| Filing Date | November 13, 2003 |
| First Named Inventor | Theodore Bydalek |
| Art Unit | 3677 |
| Examiner Name | Jeffrey Andrew Sharp |
| Attorney Docket Number | 11-9540-6520-0000-2 |

Sheet 36 of 42

U. S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|-----------------------|--------------------------|--|--------------------------------|--|---|
| | | Number-Kind Code ² (if known) | | | |
| | | US- 4,944,644 | 07-31-1990 | Bell | Page 1-7 |
| | | US- 4,557,654 | 12-10-1985 | Masuda et al. | Pages 1-9 |
| | | US- 6,305,627 | 10-23-2001 | Stiner et al. | Pages 1-9 |
| | | US- 1,834,871 | 12-01-1931 | Heyman Rosenberg | Pages 1-4 |
| | | US- 5,163,739 | 11-17-1992 | Stanlake, Roland R. | Pages 1-7 |
| | | US- 4,948,319 | 08-14-1990 | Day et al. | Pages 1-8 |
| | | US- 6,860,692 | 03-01-2006 | Van Ingen et al. | Pages 1-6 |
| | | US- 6,935,825 | 08-30-2005 | Winker, Alexander | Pages 1-6 |
| | | US- 6,808,350 | 10-26-2004 | Tooman et al. | Pages 1-6 |
| | | US- 6,957,939 | 10-25-2005 | Wilson, Larry J. | Pages 1-9 |
| | | US- 6,866,457 | 03-15-2005 | Wilson, Larry J. | Pages 1-10 |
| | | US- 3,584,667 | 06-15-1971 | Reiland | Pages 1-14 |
| | | US- 3,659,491 | 05-02-1972 | Duff et al. | Pages 1-6 |
| | | US- 4,103,725 | 08-01-1978 | Abe | Pages 1-7 |
| | | US- 4,790,703 | 12-13-1988 | Wing | Pages 1-13 |
| | | US- 4,898,429 | 02-06-1990 | Pumer | Pages 1-7 |
| | | US- 4,984,938 | 01-15-1991 | Scott, Jr. et al. | Pages 1-6 |
| | | US- 4,986,712 | 01-22-1991 | Fultz | Pages 1-3 |
| | | US- 5,180,266 | 01-19-1993 | Nolan et al. | Pages 1-5 |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T ⁶ |
|-----------------------|--------------------------|---|-----------------------------------|--|---|----------------|
| | | Country Code ³ Number ⁴ Kind Code ⁵ (if known) | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

| | |
|------------------------|----------------------|
| Application Number | 10/712,611 |
| Filing Date | November 13, 2003 |
| First Named Inventor | Theodore Bydalek |
| Art Unit | 3677 |
| Examiner Name | Jeffrey Andrew Sharp |
| Attorney Docket Number | 11-9540-6520-0000-2 |

Sheet 37 of 42

U. S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|-----------------------|--------------------------|--|--------------------------------|--|---|
| | | Number-Kind Code ² (if known) | | | |
| | | US- 5,584,628 | 12-17-1996 | Bernoni | Pages 1-6 |
| | | US- 5,688,091 | 11-18-1997 | McKinlay | Pages 1-6 |
| | | US- 5,730,568 | 03-24-1998 | Lanham et al. | Pages 1-6 |
| | | US- 3,356,421 | 12-05-1967 | D. J. Trevarrow, Jr. | Pages 1-3 |
| | | US- 3,549,204 | 12-22-1970 | E. G. Spisak | Pages 1-5 |
| | | US- 4,998,780 | 03-12-1991 | Eshler et al. | Pages 1-7 |
| | | US- 5,181,767 | 01-26-1993 | Hudgins et al. | Pages 1-5 |
| | | US- 5,273,384 | 12-28-1993 | Dunbar | Pages 1-4 |
| | | US- 5,520,445 | 05-28-1996 | Toth | Pages 1-7 |
| | | US- 5,857,818 | 01-12-1999 | Bias, Sr. | Pages 1-5 |
| | | US- 6,074,148 | 06-13-2000 | Wilson | Pages 1-3 |
| | | US- 4,339,179 | 07-13-1982 | Dany | Pages 1-5 |
| | | US- 1,727,590 | 09-10-1929 | T. Ferry | Pages 1-3 |
| | | US- 4,460,300 | 07-17-1984 | Bettini et al. | Pages 1-4 |
| | | US- 4,944,644 | 07-31-1990 | Bell | Pages 1-7 |
| | | US- 4,362,449 | 12-07-1982 | Hinsky | Pages 1-8 |
| | | US- 5,857,818 | 01-12-1999 | Bias, Sr. | Pages 1-5 |
| | | US- 2,588,372 | 03-11-1952 | G. H. Erb | Pages 1-5 |
| | | US- 4,971,498 | 11-20-1990 | Goforth | Pages 1-10 |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T ⁶ |
|-----------------------|--------------------------|---|-----------------------------------|--|---|----------------|
| | | Country Code ³ Number ⁴ Kind Code ⁵ (if known) | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND

TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 38 of 42

Complete if Known

| | |
|------------------------|----------------------|
| Application Number | 10/712,611 |
| Filing Date | November 13, 2003 |
| First Named Inventor | Theodore Bydalek |
| Art Unit | 3677 |
| Examiner Name | Jeffrey Andrew Sharp |
| Attorney Docket Number | 11-9540-6520-0000-2 |

U. S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|--------------------|-----------------------|--|--------------------------------|--|---|
| | | Number-Kind Code ² (if known) | | | |
| | | US- 6,102,488 | 08-15-2000 | Wilson | Pages 1-5 |
| | | US- 2,393,323 | 01-22-1946 | D. C. Hungerford et al. | Pages 1-5 |
| | | US- 3,520,342 | 07-14-1970 | H. Scheffer | Pages 1-4 |
| | | US- 4,019,550 | 04-26-1977 | DeHaitre | Pages 1-8 |
| | | US- 2,569,989 | 10-02-1951 | H. R. Harding et al. | Pages 1-3 |
| | | US- 7,004,700 | 02/28/2006 | Wilson | Pages 1-7 |
| | | US- 4,907,924 | 03-13-1990 | Figini | Pages 1-13 |
| | | US- 6,572,127 | 06-03-2003 | Pazdirek | Pages 1-8 |
| | | US- 7,005,700 | 02-28-2006 | Wilson | Pages 1-7 |
| | | US- 6,891,829 | 03-28-2006 | Brewwer, et al. | Pages 1-10 |
| | | US- 154,255 | 08-18-1974 | E. W. Ives | Pages 1-2 |
| | | US- 218,425 | 08-12-1879 | F. A. Bradley | Pages 1-2 |
| | | US- 443,799 | 12-30-1890 | A. Searls | Pages 1-4 |
| | | US- 819,158 | 05-01-1906 | F. A. Neider | Pages 1-2 |
| | | US- 1,374,106 | 04-05-1921 | L. H. Perlman | Pages 1-4 |
| | | US- 1,381,437 | 06-14-1921 | O. A. Smith | Pages 1-6 |
| | | US- 2,708,844 | 05-24-1955 | W. C. Cincel | Pages 1-6 |
| | | US- 3,857,611 | 12-31-1974 | Pansky | Pages 1-7 |
| | | US- 4,018,133 | 04-19-1977 | Chaivre et al. | Pages 1-4 |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T ⁶ |
|--------------------|-----------------------|---|--------------------------------|--|--|----------------|
| | | Country Code ³ Number ⁴ Kind Code ⁵ (if known) | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

| | |
|------------------------|----------------------|
| Application Number | 10/712,611 |
| Filing Date | November 13, 2003 |
| First Named Inventor | Theodore Bydalek |
| Art Unit | 3677 |
| Examiner Name | Jeffrey Andrew Sharp |
| Attorney Docket Number | 11-9540-6520-0000-2 |

Sheet 39 of 42

U. S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|-----------------------|--------------------------|--|--------------------------------|--|---|
| | | Number-Kind Code ² (if known) | | | |
| | | US- 4,123,961 | 11-07-1978 | Chaivre et al. | Pages 1-10 |
| | | US- 4,169,630 | 10-02-1979 | Wagner | Pages 1-5 |
| | | US- 4,201,110 | 05-06-1980 | Hanai et al. | Pages 1-4 |
| | | US- 4,583,897 | 04-22-1986 | Briles | Pages 1-4 |
| | | US- 4,373,842 | 02-15-1983 | Bettini et al. | Pages 1-4 |
| | | US- 4,576,533 | 03-18-1986 | Chartier | Pages 1-4 |
| | | US- 4,815,920 | 03-28-1989 | Morooka | Pages 1-7 |
| | | US- 272,589 | 02-20-1983 | Searls | Pages 1-2 |
| | | US- 1,254,514 | 01-22-1918 | Lehmann | Pages 1-3 |
| | | US- 3,971,289 | 07-27-1976 | Chaivre | Pages 1-4 |
| | | US- 4,427,326 | 01-02-1984 | Hobson et al. | Pages 1-4 |
| | | US- 4,521,146 | 06-04-1985 | Wharton | Pages 1-4 |
| | | US- 4,582,462 | 04-15-1986 | Thiel | Pages 1-5 |
| | | US- 4,659,273 | 04-21-1987 | Dudley | Pages 1-5 |
| | | US- 4,749,321 | 06-07-1988 | Knohl et al. | Pages 1-5 |
| | | US- 4,775,272 | 10-04-1988 | Toth | Pages 1-8 |
| | | US- 4,850,776 | 07-25-1989 | Toth | Pages 1-8 |
| | | US- 4,883,399 | 11-28-1989 | MacLean | Pages 1-7 |
| | | US- 4,955,773 | 09-11-1990 | Toth | Pages 1-8 |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T ⁶ |
|-----------------------|--------------------------|---|-----------------------------------|--|---|----------------|
| | | Country Code ³ Number ⁴ Kind Code ⁵ (if known) | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

| | |
|------------------------|----------------------|
| Application Number | 10/712,611 |
| Filing Date | November 13, 2003 |
| First Named Inventor | Theodore Bydalek |
| Art Unit | 3677 |
| Examiner Name | Jeffrey Andrew Sharp |
| Attorney Docket Number | 11-9540-6520-0000-2 |

| | | | |
|-------|----|----|----|
| Sheet | 40 | of | 42 |
|-------|----|----|----|

U. S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|-----------------------|--------------------------|--|--------------------------------|--|---|
| | | Number-Kind Code ² (if known) | | | |
| | | US- 4,968,202 | 11-6-1990 | Lanham | Pages 1-8 |
| | | US- 4,993,902 | 02-19-1991 | Hellon | Pages 1-5 |
| | | US- 5,028,093 | 07-02-1991 | Nason | Pages 1-4 |
| | | US- 5,048,898 | 09-17-1991 | Russell | Pages 1-6 |
| | | US- 5,082,409 | 01-21-1992 | Bias | Pages 1-10 |
| | | US- 5,163,797 | 11-17-1992 | Patti | Pages 1-5 |
| | | US- 5,180,266 | 01-19-1993 | Nolan | Pages 1-5 |
| | | US- 5,350,266 | 09-27-1994 | Espey, et al. | Pages 1-4 |
| | | US- 5,370,486 | 12-06-1994 | Plummer | Pages 1-19 |
| | | US- 5,380,070 | 01-10-1995 | FitzGerald | Pages 1-3 |
| | | US- 6,852,181 | 02-08-2005 | Wheeler, Jr. | Pages 1-10 |
| | | US- 6,418,772 | 07-16-2002 | Talbott, et al. | Pages 1-9 |
| | | US- 6,325,874 | 12-04-2001 | Wheeler, Jr. | Pages 1-10 |
| | | US- 5,704,998 | 01-06-1998 | Gallagher, Jr. | Pages 1-4 |
| | | US- 5,555,628 | 09-17-1996 | Madden | Pages 1-7 |
| | | US- 5,538,566 | 07-23-1996 | Gallagher, Jr. | Pages 1-5 |
| | | US- 5,496,425 | 03-05-1996 | Gallagher, Jr. | Pages 1-6 |
| | | US- 5,492,019 | 02-20-1996 | Madden | Pages 1-7 |
| | | US- 5,454,888 | 10-03-1995 | Gallagher, Jr. | Pages 1-5 |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T ⁶ |
|-----------------------|--------------------------|---|-----------------------------------|--|---|----------------|
| | | Country Code ³ -Number ⁴ -Kind Code ⁵ (if known) | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND**

TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| | | | | | |
|--|----|----|----|--------------------------|----------------------|
| Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i> | | | | Complete if Known | |
| | | | | Application Number | 10/712,611 |
| | | | | Filing Date | November 13, 2003 |
| | | | | First Named Inventor | Theodore Bydalek |
| | | | | Art Unit | 3677 |
| | | | | Examiner Name | Jeffrey Andrew Sharp |
| | | | | Attorney Docket Number | 11-9540-6520-0000-2 |
| Sheet | 41 | of | 42 | | |

[illegible][illegible]

| | | | |
|-----------------------|--|--------------------|--|
| Examiner Signature | | Date Considered | |
|-----------------------|--|--------------------|--|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language. Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| | | | | | |
|--|----|----|----|--------------------------|----------------------|
| Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i> | | | | Complete if Known | |
| | | | | Application Number | 10/712,611 |
| | | | | Filing Date | November 13, 2003 |
| | | | | First Named Inventor | Theodore Bydalek |
| | | | | Art Unit | 3677 |
| | | | | Examiner Name | Jeffrey Andrew Sharp |
| Sheet | 42 | of | 42 | Attorney Docket Number | 11-9540-6520-0000-2 |

| NON PATENT LITERATURE DOCUMENTS | | | |
|---------------------------------|--------------------------|---|----------------|
| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
| | | Textron Fastening Systems Torx® Drive System, 2001, Pages 1-8, Textron Fastening Systems | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

| | | | |
|-----------------------|--|--------------------|--|
| Examiner Signature | | Date Considered | |
|-----------------------|--|--------------------|--|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

| | |
|------------------------|----------------------|
| Application Number | 10/712,611 |
| Filing Date | November 13, 2003 |
| First Named Inventor | Theodore Bydalek |
| Art Unit | 3677 |
| Examiner Name | Jeffrey Andrew Sharp |
| Attorney Docket Number | 11-9540-6520-0000-2 |

| | | | |
|-------|---|----|---|
| Sheet | 1 | of | 2 |
|-------|---|----|---|

U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

| FOREIGN PATENT DOCUMENTS | | | | | | |
|--------------------------|-----------------------|---|--------------------------------|---|---|----------------|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T ⁶ |
| | | Country Code ³ Number ⁴ Kind Code ⁵ (if known) | | | | |
| | | JP-46-012-091 | 04-27-1971 | | Pages 1-2 | ✓ |
| | | JP-62-171510 | 07-28-1987 | Kawabata Yoshio | Pages 1-3 | ✓ |
| | | JP-51-026263 | 02-26-1976 | | Pages 1-7 | ✓ |
| | | JP 06-341420 | 12-13-1994 | Ueda Akemi | Pages 1-7 | ✓ |
| | | | | | | |
| | | | | | | |

| | | | |
|-----------------------|--|--------------------|--|
| Examiner Signature | | Date Considered | |
|-----------------------|--|--------------------|--|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

| | |
|------------------------|----------------------|
| Application Number | 10/712,611 |
| Filing Date | November 13, 2003 |
| First Named Inventor | Theodore Bydalek |
| Art Unit | 3677 |
| Examiner Name | Jeffrey Andrew Sharp |
| Attorney Docket Number | 11-9540-6520-0000-2 |

| | | | |
|-------|---|----|---|
| Sheet | 2 | of | 2 |
|-------|---|----|---|

NON PATENT LITERATURE DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
|-----------------------|--------------------------|---|----------------|
| | | N. FUGIMOTO, Notification of Reasons for Rejection, July 28, 2005, Pages 1-5, Japanese Patent Office | ✓ |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

| | | | |
|-----------------------|--|--------------------|--|
| Examiner Signature | | Date Considered | |
|-----------------------|--|--------------------|--|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

| | |
|------------------------|----------------------|
| Application Number | 10/712,611 |
| Filing Date | November 13, 2003 |
| First Named Inventor | Theodore Bydalek |
| Art Unit | 3677 |
| Examiner Name | Jeffrey Andrew Sharp |
| Attorney Docket Number | 11-9540-6520-0000-2 |

| | | | |
|-------|---|----|---|
| Sheet | 1 | of | 2 |
|-------|---|----|---|

U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

| FOREIGN PATENT DOCUMENTS | | | | | | |
|--------------------------|-----------------------|---|--------------------------------|---|---|----------------|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T ⁶ |
| | | Country Code ³ Number ⁴ Kind Code ⁵ (if known) | | | | |
| | | DE 199 56 287 A1 | 05-31-2001 | August Friedberg GmbH | Pages 1-8 | ✓ |
| | | DE 298 15 492 U1 | 10-29-1998 | Quo Jun Feng | Pages 1-10 | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

| | | | |
|-----------------------|--|--------------------|--|
| Examiner Signature | | Date Considered | |
|-----------------------|--|--------------------|--|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| | | | | | |
|--|---|----|---|--------------------------|----------------------|
| Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i> | | | | Complete if Known | |
| | | | | Application Number | 10/712,611 |
| | | | | Filing Date | November 13, 2003 |
| | | | | First Named Inventor | Theodore Bydalek |
| | | | | Art Unit | 3677 |
| | | | | Examiner Name | Jeffrey Andrew Sharp |
| Sheet | 2 | of | 2 | Attorney Docket Number | 11-9540-6520-0000-2 |

| NON PATENT LITERATURE DOCUMENTS | | | |
|---------------------------------|-----------------------|---|----------------|
| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
| | | C.J. HUUSOM, Communication pursuant to Article 96(2) EPC, February 12, 2004, Pages 1-3, European Patent Office | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

| | | | |
|--------------------|--|-----------------|--|
| Examiner Signature | | Date Considered | |
|--------------------|--|-----------------|--|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

| | |
|------------------------|----------------------|
| Application Number | 10/712,611 |
| Filing Date | November 13, 2003 |
| First Named Inventor | Theodore Bydalek |
| Art Unit | 3677 |
| Examiner Name | Jeffrey Andrew Sharp |
| Attorney Docket Number | 11-9540-6520-0000-2 |

| | | | |
|-------|---|----|---|
| Sheet | 2 | of | 2 |
|-------|---|----|---|

NON PATENT LITERATURE DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
|-----------------------|--------------------------|---|----------------|
| | | H. GRANGER, Supplementary European Search Report, February 23, 2006, Pages 1-2 | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

| | |
|------------------------|----------------------|
| Application Number | 10/712,611 |
| Filing Date | November 13, 2003 |
| First Named Inventor | Theodore Bydalek |
| Art Unit | 3677 |
| Examiner Name | Jeffrey Andrew Sharp |
| Attorney Docket Number | 11-9540-6520-0000-2 |

| | | | |
|-------|---|----|---|
| Sheet | 1 | of | 2 |
|-------|---|----|---|

U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

| FOREIGN PATENT DOCUMENTS | | | | | | |
|--------------------------|-----------------------|---|--------------------------------|---|---|----------------|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T ⁶ |
| | | Country Code ³ ~ Number ⁴ ~ Kind Code ⁵ (if known) | | | | |
| | | EP 1 248 004 A2 | 10-09-2002 | Industrial and Automotive | Pages 1-10 | |
| | | JP-2003-247519 | 05-09-2003 | Yanmar Co Ltd. | Pages 1-6 | ✓ |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

| | | | |
|-----------------------|--|--------------------|--|
| Examiner Signature | | Date Considered | |
|-----------------------|--|--------------------|--|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Substitute for form 1449/PTO

(Use as many sheets as necessary)

Complete if Known

| | |
|-------------------------------|----------------------|
| Application Number | 10/712,611 |
| Filing Date | November 13, 2003 |
| First Named Inventor | Theodore Bydalek |
| Art Unit | 3677 |
| Examiner Name | Jeffrey Andrew Sharp |
| Attorney Docket Number | 11-9540-6520-0000-2 |

| | | | |
|-------|---|----|---|
| Sheet | 2 | of | 2 |
|-------|---|----|---|

[illegible]

Examiner
Signature

Date
Considered

1 Applicant's unique citation designation (number optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

| | |
|------------------------|----------------------|
| Application Number | 10/712,611 |
| Filing Date | November 13, 2003 |
| First Named Inventor | Theodore Bydalek |
| Art Unit | 3677 |
| Examiner Name | Jeffrey Andrew Sharp |
| Attorney Docket Number | 11-9540-6520-0000-2 |

| | | | |
|-------|---|----|---|
| Sheet | 2 | of | 2 |
|-------|---|----|---|

NON PATENT LITERATURE DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
|-----------------------|--------------------------|---|----------------|
| | | C. MARTIN, European Search Report, May 20, 2003, pages 1-4, European Patent Office | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| | | | | | |
|--|---|----|---|--------------------------|----------------------|
| Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i> | | | | Complete if Known | |
| | | | | Application Number | 10/712,611 |
| | | | | Filing Date | November 13, 2003 |
| | | | | First Named Inventor | Theodore Bydalek |
| | | | | Art Unit | 3677 |
| | | | | Examiner Name | Jeffrey Andrew Sharp |
| Sheet | 1 | of | 1 | Attorney Docket Number | 11-9540-6520-0000-2 |

| NON PATENT LITERATURE DOCUMENTS | | | |
|---------------------------------|-----------------------|---|----------------|
| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
| | | JEFFREY ANDREW SHARP, Notice of References Cited, February 14, 2006, Page1, Unites States Patent and Trademark Office | |
| | | NorthWest Short Line -- "Bits of Knowledge for Sharing, Page 1 | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

| | | | |
|--------------------|--|-----------------|--|
| Examiner Signature | | Date Considered | |
|--------------------|--|-----------------|--|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

| | | | |
|-----------------------------------|---------------------------------------|--|-------------|
| Notice of References Cited | Application/Control No. 10/712,611 | Applicant(s)/Patent Under Reexamination BYDALEK ET AL. | |
| | Examiner Jeffrey Sharp | Art Unit 3677 | Page 1 of 1 |

U.S. PATENT DOCUMENTS

| * | | Document Number Country Code-Number-Kind Code | Date MM-YYYY | Name | Classification |
|---|---|--|-----------------|------|----------------|
| | A | US- | | | |
| | B | US- | | | |
| | C | US- | | | |
| | D | US- | | | |
| | E | US- | | | |
| | F | US- | | | |
| | G | US- | | | |
| | H | US- | | | |
| | I | US- | | | |
| | J | US- | | | |
| | K | US- | | | |
| | L | US- | | | |
| | M | US- | | | |

FOREIGN PATENT DOCUMENTS

| * | | Document Number Country Code-Number-Kind Code | Date MM-YYYY | Country | Name | Classification |
|---|---|--|-----------------|---------|------|----------------|
| | N | | | | | |
| | O | | | | | |
| | P | | | | | |
| | Q | | | | | |
| | R | | | | | |
| | S | | | | | |
| | T | | | | | |

NON-PATENT DOCUMENTS

| * | | Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages) |
|---|---|---|
| | U | NorthWest Short Line -- "Bits of Knowledge for Sharing" |
| | V | |
| | W | |
| | X | |

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

| | |
|------------------------|----------------------|
| Application Number | 10/712,611 |
| Filing Date | November 13, 2003 |
| First Named Inventor | Theodore Bydalek |
| Art Unit | 3677 |
| Examiner Name | Jeffrey Andrew Sharp |
| Attorney Docket Number | 11-9540-6520-0000-2 |

| | | | |
|-------|---|----|---|
| Sheet | 1 | of | 2 |
|-------|---|----|---|

U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

| FOREIGN PATENT DOCUMENTS | | | | | | |
|--------------------------|-----------------------|---|--------------------------------|---|---|----------------|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T ⁶ |
| | | Country Code ³ -Number ⁴ -Kind Code ⁵ (if known) | | | | |
| | | FR 2 457 406 A | 12-19-1980 | Essilor Intl. CIE GLE | Pages 1-12 | ✓ |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

| | |
|-----------------------|--------------------|
| Examiner Signature | Date Considered |
|-----------------------|--------------------|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Substitute for form 1449/PTO

(Use as many sheets as necessary)

Complete if Known

| | |
|-----------------------------|----------------------|
| Application Number | 10/712,611 |
| Filing Date | November 13, 2003 |
| First Named Inventor | Theodore Bydalek |
| Art Unit | 3677 |
| Examiner Name | Jeffrey Andrew Sharp |
| Attorney Docket Number | 11-9540-6520-0000-2 |

| | | | |
|-------|---|----|---|
| Sheet | 2 | of | 2 |
|-------|---|----|---|

[illegible]

Examiner
Signature

Date
Considered

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

| | |
|------------------------|----------------------|
| Application Number | 10/712,611 |
| Filing Date | November 13, 2003 |
| First Named Inventor | Theodore Bydalek |
| Art Unit | 3677 |
| Examiner Name | Jeffrey Andrew Sharp |
| Attorney Docket Number | 11-9540-6520-0000-2 |

| | | | |
|-------|---|----|---|
| Sheet | 1 | of | 2 |
|-------|---|----|---|

[illegible][illegible]

| | | | |
|-----------------------|--|--------------------|--|
| Examiner Signature | | Date Considered | |
|-----------------------|--|--------------------|--|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| | | | | | |
|--|---|----|---|--------------------------|----------------------|
| Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i> | | | | Complete if Known | |
| | | | | Application Number | 10/712,611 |
| | | | | Filing Date | November 13, 2003 |
| | | | | First Named Inventor | Theodore Bydalek |
| | | | | Art Unit | 3677 |
| | | | | Examiner Name | Jeffrey Andrew Sharp |
| Sheet | 2 | of | 2 | Attorney Docket Number | 11-9540-6520-0000-2 |

| NON PATENT LITERATURE DOCUMENTS | | | |
|---------------------------------|-----------------------|---|----------------|
| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
| | | N. Fujimoto, Translation of Official Action, January 4, 2006, Pages 1-5 Japanese Patent Office | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

| | | | |
|--------------------|--|-----------------|--|
| Examiner Signature | | Date Considered | |
|--------------------|--|-----------------|--|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

| | |
|------------------------|----------------------|
| Application Number | 10/712,611 |
| Filing Date | November 13, 2003 |
| First Named Inventor | Theodore Bydalek |
| Art Unit | 3677 |
| Examiner Name | Jeffrey Andrew Sharp |
| Attorney Docket Number | 11-9540-6520-0000-2 |

| | | | |
|-------|---|----|---|
| Sheet | 2 | of | 2 |
|-------|---|----|---|

NON PATENT LITERATURE DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
|-----------------------|--------------------------|---|----------------|
| | | Martin, C., European Search Report for Application No. EP 99102819, June 1, 1999, Pages 1-2, European Patent Office | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

| | | | |
|-----------------------|--|--------------------|--|
| Examiner Signature | | Date Considered | |
|-----------------------|--|--------------------|--|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

| | |
|------------------------|----------------------|
| Application Number | 10/712,611 |
| Filing Date | November 13, 2003 |
| First Named Inventor | Theodore Bydalek |
| Art Unit | 3677 |
| Examiner Name | Jeffrey Andrew Sharp |
| Attorney Docket Number | 11-9540-6520-0000-2 |

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| | | | | | |
|--|---|----|---|--------------------------|----------------------|
| Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i> | | | | Complete if Known | |
| | | | | Application Number | 10/712,611 |
| | | | | Filing Date | November 13, 2003 |
| | | | | First Named Inventor | Theodore Bydalek |
| | | | | Art Unit | 3677 |
| | | | | Examiner Name | Jeffrey Andrew Sharp |
| Sheet | 2 | of | 2 | Attorney Docket Number | 11-9540-6520-0000-2 |

| NON PATENT LITERATURE DOCUMENTS | | | |
|---------------------------------|--------------------------|---|----------------|
| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
| | | Schaeffler, C., Search Report, September 2, 1999, Pages 1-2, The National Institute of Industrial Property, Republic of France | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

| | | | |
|-----------------------|--|--------------------|--|
| Examiner Signature | | Date Considered | |
|-----------------------|--|--------------------|--|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Substitute for form 1449/PTO

(Use as many sheets as necessary)

Complete if Known

| | |
|------------------------|----------------------|
| Application Number | 10/712,611 |
| Filing Date | November 13, 2003 |
| First Named Inventor | Theodore Bydalek |
| Art Unit | 3677 |
| Examiner Name | Jeffrey Andrew Sharp |
| Attorney Docket Number | 11-9540-6520-0000-2 |

| | | | |
|-------|---|----|---|
| Sheet | 1 | of | 2 |
|-------|---|----|---|

[illegible]

| FOREIGN PATENT DOCUMENTS | | | | | | |
|--------------------------|-----------------------|---|--------------------------------|---|---|-------------------------------------|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T ⁶ |
| | | Country Code ³ ~ Number ⁴ ~ Kind Code ⁵ (if known) | | | | |
| | | JP 61-286606 | 12-17-1961 | Toth | Pages 1-6 | <input checked="" type="checkbox"/> |
| | | JP 54-14351 | 02-02-1979 | | Pages 1-8 | <input type="checkbox"/> |
| | | JP 61-149606 | 07-08-1986 | Toth | Pages 1-6 | <input checked="" type="checkbox"/> |
| | | | | | | <input type="checkbox"/> |
| | | | | | | <input type="checkbox"/> |
| | | | | | | <input type="checkbox"/> |

Examiner
Signature

| | |
|------------|--|
| Date | |
| Considered | |

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

| | |
|------------------------|----------------------|
| Application Number | 10/712,611 |
| Filing Date | November 13, 2003 |
| First Named Inventor | Theodore Bydalek |
| Art Unit | 3677 |
| Examiner Name | Jeffrey Andrew Sharp |
| Attorney Docket Number | 11-9540-6520-0000-2 |

| | | | |
|-------|---|----|---|
| Sheet | 2 | of | 2 |
|-------|---|----|---|

NON PATENT LITERATURE DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
|-----------------------|--------------------------|---|----------------|
| | | Examiner, Translation of Notification of Reasons of Rejection, 6/28/1996, Pages 1-2, Japanese Patent Office | |
| | | Examiner, Translation of Notification of Reasons of Rejection, 2/5/1997, Pages 1-2, Japanese Patent Office | |
| | | Examiner, Translation of Notification of Reasons of Rejection, 03-13-1998, Pages 1-2, Japanese Patent Office | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

| | | | |
|-----------------------|--|--------------------|--|
| Examiner Signature | | Date Considered | |
|-----------------------|--|--------------------|--|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

| | |
|------------------------|----------------------|
| Application Number | 10/712,611 |
| Filing Date | November 13, 2003 |
| First Named Inventor | Theodore Bydalek |
| Art Unit | 3677 |
| Examiner Name | Jeffrey Andrew Sharp |
| Attorney Docket Number | 11-9540-6520-0000-2 |

| | | | |
|-------|---|----|---|
| Sheet | 1 | of | 2 |
|-------|---|----|---|

U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

| FOREIGN PATENT DOCUMENTS | | | | | | |
|--------------------------|-----------------------|---|------------------|---|---|----------------|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T ⁶ |
| | | Country Code ² *Number ⁴ *Kind Code ⁵ (if known) | MM-DD-YYYY | | | |
| | | JP-A-54-147349 | 11-17-1979 | | Pages 1-3 | ✓ |
| | | JP-A-62-176828 | 08-03-1987 | | Pages 1-4 | ✓ |
| | | JP-A-61-192915 | 08-27-1986 | | Pages 1-4 | ✓ |
| | | | | | | |
| | | | | | | |
| | | | | | | |

| | | | |
|-----------------------|--|--------------------|--|
| Examiner Signature | | Date Considered | |
|-----------------------|--|--------------------|--|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| | | | | | |
|--|---|----|---|--------------------------|----------------------|
| Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i> | | | | Complete if Known | |
| | | | | Application Number | 10/712,611 |
| | | | | Filing Date | November 13, 2003 |
| | | | | First Named Inventor | Theodore Bydalek |
| | | | | Art Unit | 3677 |
| | | | | Examiner Name | Jeffrey Andrew Sharp |
| Sheet | 2 | of | 2 | Attorney Docket Number | 11-9540-6520-0000-2 |

| NON PATENT LITERATURE DOCUMENTS | | | |
|---------------------------------|-----------------------|---|----------------|
| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
| | | Translation of Office Action, Circa November 1997, Page 1, Japanese Patent Office | |
| | | Translation of the Relevant Portions of JP-U-A-56-148116, which was cited as Reference 1 in the above-referenced Japanese Office Action, Circa November 1997, Page 1 | |
| | | Translation of the Relevant Portions of JP-U-A-63-152822, which was cited as Reference 2 in the above-referenced Japanese Office Action, Circa November 1997, Page 1 | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

| | | | |
|--------------------|--|-----------------|--|
| Examiner Signature | | Date Considered | |
|--------------------|--|-----------------|--|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

1

of

2

Complete if Known

| | |
|------------------------|----------------------|
| Application Number | 10/712,611 |
| Filing Date | November 13, 2003 |
| First Named Inventor | Theodore Bydalek |
| Art Unit | 3677 |
| Examiner Name | Jeffrey Andrew Sharp |
| Attorney Docket Number | 11-9540-6520-0000-2 |

U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

| FOREIGN PATENT DOCUMENTS | | | | | | |
|--------------------------|-----------------------|---|--------------------------------|---|---|----------------|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T ⁶ |
| | | Country Code ³ Number ⁴ Kind Code ⁵ (if known) | | | | |
| | | DE 593 758 | 03-02-1934 | Lydia Schubert | Pages 1-3 | |
| | | GB 547 634 | 09-04-1942 | Jack Purdue | Pages 1-4 | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

**Examiner
Signature**

Date
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| | | | | | |
|---|---|----|---|--------------------------|----------------------|
| Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) | | | | Complete if Known | |
| | | | | Application Number | 10/712,611 |
| | | | | Filing Date | November 13, 2003 |
| | | | | First Named Inventor | Theodore Bydalek |
| | | | | Art Unit | 3677 |
| | | | | Examiner Name | Jeffrey Andrew Sharp |
| Sheet | 2 | of | 2 | Attorney Docket Number | 11-9540-6520-0000-2 |

| NON PATENT LITERATURE DOCUMENTS | | | |
|---------------------------------|-----------------------|---|----------------|
| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
| | | Hoffmann, M. P., European Search Report for EP 88 11 5654, October 3, 1989, Page 1, European Patent Office | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

| | | | |
|--------------------|--|-----------------|--|
| Examiner Signature | | Date Considered | |
|--------------------|--|-----------------|--|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.